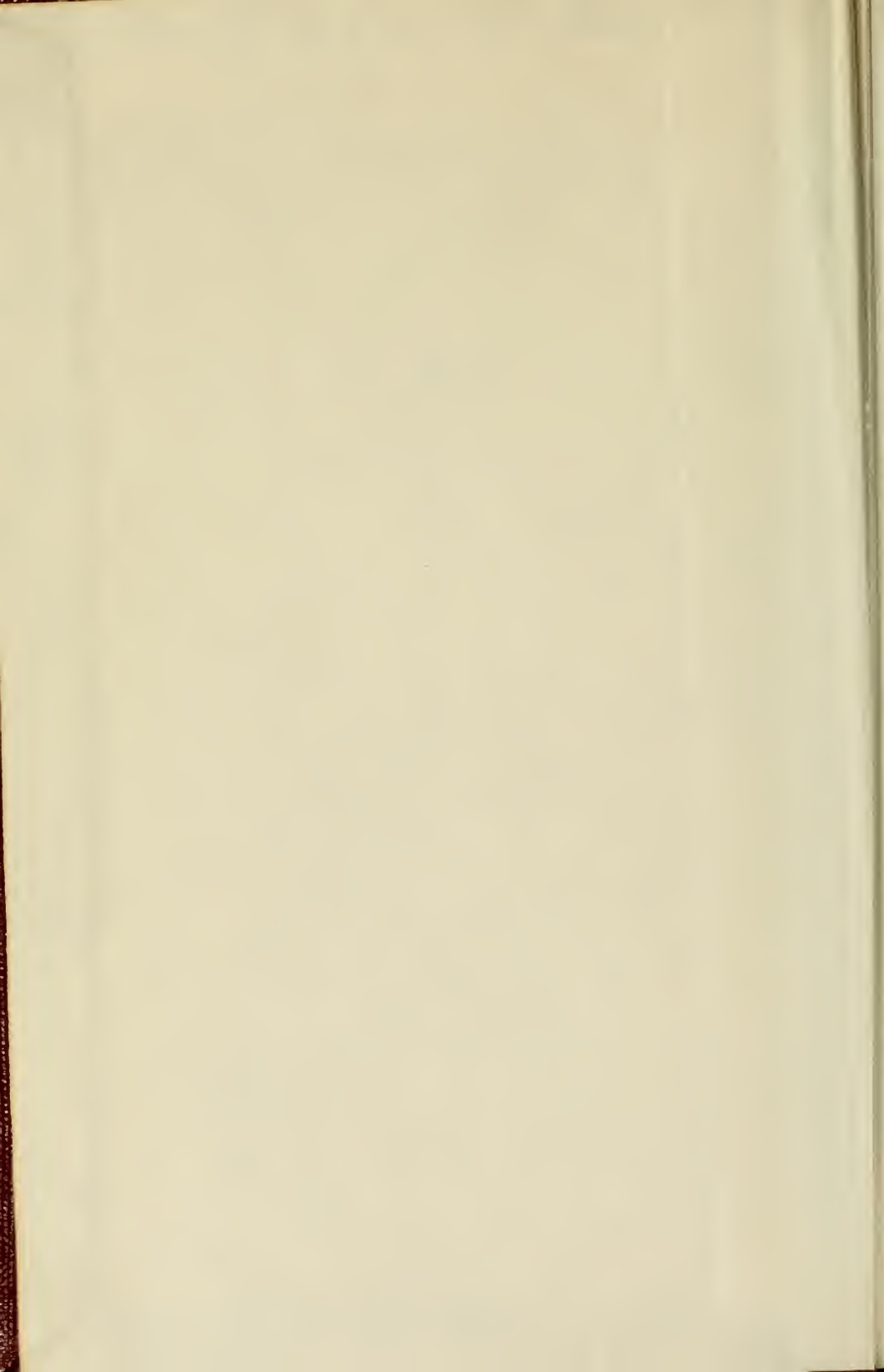






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Bulletin of

ARMSTRONG STATE COLLEGE

Savannah, Georgia

A Four-Year College in the
University System of Georgia



SUMMER FALL

WINTER SPRING

1971-1972

Volume XXXVI

Number 11

Membership in

Southern Association of Colleges and Schools
Association of Georgia Colleges

American Association for Colleges of
Teacher Education

1971 CALENDAR 1971

APRIL							MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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1972 CALENDAR 1972

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CONTENTS

ALNDAR	6
GOVERNING BOARD, ADMINISTRATION & FACULTY	9
Members of the Board of Regents	
Staff of the Board of Regents	
Officers of Administration	
Heads of Departments	
Administrative Staff	
The Faculty	
Armstrong College Commission	
HISTORY, PURPOSE AND PROGRAMS	23
History of the College	
Purpose	
Four-Year Degrees	
Two-Year Degrees	
Pre-Professional Programs	
Office of Community Services	
Evening Classes	
Academic Skills Laboratory	
Student Exchange Program with Savannah State College	
Library	
I. ADMISSION TO THE COLLEGE	27
General Information	
Requirements for Freshman Applicants	
Advanced Placement	
Quarter-On-Trial	
Requirements for Transfer Applicants	
Continuing Education Students	
Readmission of Former Students	
Transient Students	
Armstrong State College/ High School Accelerated Program	
Foreign Students	
Admission of Veterans	
Applicants Sponsored by Vocational Rehabilitation	
Financial Aid	
Registration and Orientation	
Residency Requirements of the Board of Regents	
Admission to:	
Associate in Arts Degree Program in Nursing	
Associate in Science Degree Program in Dental Hygiene	
Associate in Science Degree Program in Criminal Justice	

IV. FEES

- Application Fee
- Matriculation Fee
- Out of State Tuition
- Student Activity Fee
- Late Registration Fee
- Change of Schedule Fee
- Graduation Fee
- Transcript Fee
- Music Fee
- Make-up Test Fee
- Short Courses
- Summary of Fees
- Privilege Fees
- Refunds

V. FINANCIAL AIDS

- Financial Aids
- Financial Aid Application Procedure
- Scholarships
- Regents' Scholarships
- Educational Opportunity Grants
- National Defense Student Loans
- Work-Study Program
- Student Assistant Program
- Georgia Higher Education Assistance Corporation
- Law Enforcement Education Program
- Nursing Student Loan Program
- Barney Minkoff Paderewski Scholarship Memorial Fund
- Other Sources of Financial Aid to Armstrong State College

VI. ACADEMIC REGULATIONS

- Academic Advisement
- Academic Advisement for Students on Academic Probation
- Relating to Degree Requirements
- Course and Study Load
- Classification of Students
- Permission for Overload or Courses at Another College
- Reports and Grades
- Honors
- Attendance
- Physical Education Program
- Academic Probation and Dismissal
- Dropping Courses
- Withdrawing from College
- Auditing
- System-Wide Achievement Testing Program
- Honor System

II. STUDENT SERVICES, ACTIVITIES	65
Academic Advisement	
Counseling Services	
Orientation	
Placement Office	
Conduct	
Student Activities and Organizations	
Student Government	
Student Publications	
Health	
Dental Hygiene Services	
Alumni Office	
Housing	
Athletics	
Intramurals	
Cultural Opportunities	
II. DEGREE PROGRAMS	71
Core Curriculum	
Bachelor of Arts and Bachelor of Science	
Teacher Education Programs	
Bachelor of Business Administration	
Bachelor of Science in Medical Technology	
Bachelor of Arts in Social Welfare	
Nursing	
Dental Hygiene	
Criminal Justice	
Associate in Arts	
Complete List of Major Programs-Four Year and Two Year Degrees	
III. DEPARTMENTAL COURSE OFFERINGS AND REQUIREMENTS FOR MAJORS	94
Department of Allied Health Services	
Department of Biology	
Department of Business Administration	
Department of Chemistry and Physics	
Department of Criminal Justice	
Department of Education	
Department of English, Speech and Philosophy	
Department of Fine Arts	
Department of Foreign Languages	
Department of History and Political Science	
Department of Mathematics	
Department of Physical Education	
Department of Psychology and Sociology	
INDEX	162

ACADEMIC CALENDAR

1971-1972

SUMMER QUARTER, 1971

May	21	Last day for freshman and transfer students file all papers required in the application admission.
June	4	Last day for transient students (for Summer Quarter only) to file all papers required in the application for admission.
	14	Registration
	15	Classes begin
	16	Last day to register for credit
	17	Last day to enroll in any class
July	5	Holiday
	13	Mid-term reports due
	19-23	Pre-advisement for the Fall Quarter
August	9	Last day of class
	10	Reading day
	11-13	Examinations
	17	Graduation

FALL QUARTER, 1971

September	3	Last day for freshman and transfer students file all papers required in the application for admission
	16	First Faculty Meeting
	20-22	Orientation
	21	U. S. & Ga. History and Government Examination
	22	Advisement of sophomores, juniors, and seniors
	23-24	Registration
	27	Classes begin
	28	Last day to register for credit
	29	Last day to enroll in any class
October	29	Mid-term reports due
November	8-12	Pre-advisement for the Winter Quarter
	25-26	Thanksgiving Holidays (Begin at 12:30 P.M. on November 24)
December	3	Last day of classes
	6	Reading day
	7-9	Examinations
	10	Christmas vacation begins

WINTER QUARTER, 1972

December	13	Last day for freshman and transfer students to file all papers required in the application for admission
January	3	Registration
	4	Classes begin
	5	Last day to register for credit
	6	Last day to enroll in any class
February	7	Mid-term reports due
	14-18	Pre-advisement for Spring Quarter
March	9	Last day of classes
	10	Reading day
	13-15	Examinations
	16	Spring recess

SPRING QUARTER, 1972

March	3	Last day for freshman and transfer students to file all papers required in the application for admission.
	22	Registration
	23	Classes begin
	24	Last day to register for credit
	27	Last day to enroll in any class
April	19	Mid-term reports due
May	1-5	Pre-advisement for the Summer Quarter
	10	Honors Day Assembly
	29	Last day of classes
	30	Reading day
May-June	31, 1-2	Examinations
June	6	Graduation

SUMMER QUARTER, 1972

May	19	Last day for freshman and transfer students to file all papers required in the application for admission
June	2	Last day for transient students (for Summer Quarter only) to file all papers required in the application for admission
	12	Registration
	13	Classes begin
	14	Last day to register for credit
	15	Last day to enroll in any class
July	4	Holiday
	10	Mid-term reports due
July	17-21	Pre-advisement for the Fall Quarter
August	7	Last day of classes
	8	Reading day
	9-11	Examinations
	15	Graduation

FALL QUARTER, 1972

September	1	Last day for freshman and transfer students file all papers required in the application admission
	14	First Faculty Meeting
	18-20	Orientation
	19	U. S. & Ga. History and Government Examination
	20	Advisement of sophomores, juniors, and seniors
	21,22	Registration
	25	Classes begin
	26	Last day to register for credit
	27	Last day to enroll in any class
October	27	Mid-term reports due
November	6-10	Pre-advisement for the Winter Quarter
	23,24	Thanksgiving Holidays (Begin at 12:30 P.M. November 22)
December	1	Last day of classes
	4	Reading day
	5-7	Examinations
	8	Christmas vacation begins

Armstrong State College is committed to the offering of equal educational opportunity to all students regardless of race, creed, or nationality.

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Assistant Professor of Library Science

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Instructor in Physical Education

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Comptroller

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Conductor, Savannah Symphony Orchestra

Instructor in Music

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Head Librarian

Associate Professor of Library Science

*Part-time Instructor

**On leave of absence

***Courtesy Appointment

ARMSTRONG COLLEGE COMMISSION

The Commission controls certain endowment and scholarship funds.

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MR. EDWARD BARTLETT

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II. History, Purpose, and Programs

HISTORY OF THE COLLEGE

Armstrong State College was founded on May 27, 1935, as Armstrong Junior College, by the Mayor and Aldermen of the City of Savannah to meet a pressing need for a college in the community. The college was housed in the Armstrong Building, a gift to the city from the family of George F. Armstrong, and over the years built or acquired five additional buildings in the Forsythe Park and Monterey Square areas. The college, as Armstrong College of Savannah, became a two-year unit in the University System of Georgia on January 1, 1959, under the control of the Regents of the University System. In 1962, the Mills B. Lane Foundation purchased a new campus site of over 200 acres located on Abercorn Extension. The new campus, with eight new buildings, was occupied in December, 1965.

In 1964, the Regents conferred upon Armstrong the status of a four-year college, with the right to offer the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration. President Henry L. Ashmore, who succeeded President Foreman M. Hawes, on July 1, 1964, was charged with the responsibility of developing the institution from junior to senior college status. A junior year was added to the college curriculum in 1966-67, with the senior year added in 1967-68 and the first four-year degrees awarded at the spring, 1968 commencement. The college now offers twenty major programs leading to baccalaureate degrees, and, in addition, the two-year associate degree in nursing, dental hygiene, and in criminal justice. The academic community includes approximately 2,500 students and 100 full-time faculty members.

Armstrong State College was fully accredited as a senior institution by the Southern Association of Colleges and Schools in December, 1968, with accreditation retroactive to January 1, 1968.

PURPOSE

It is the purpose of Armstrong State College to furnish students with a basic understanding of the intellectual structure of civilized life and to provide some of the knowledge and experience necessary to enable them to become responsible contributors to their civilization.

The Bachelor of Arts and Bachelor of Science degrees and the core curriculum of all programs are directed primarily toward the

development of attitudes and habits of mind leading toward intellectual and emotional maturity of the individual while providing a foundation of knowledge with orientation for future learning. Fundamental concepts of natural phenomena and their interactions are provided by study in the physical and biological sciences. The behavior of man is explored in the social sciences. The humanities deal with man's experience of life in nature and society through the study of his mental and spiritual creations: language, art, history, philosophy, and religion.

In addition to these programs, the complex professional resources of the college make it the center of professional programs, such as those in elementary and secondary education, business administration, nursing, dental hygiene, and criminal justice, which require sound academic training as well as the development of professional skills.

No college degree program can provide the total education of an individual; all persons must continue to learn throughout their lives or suffer intellectual atrophy. The college, therefore, also becomes the natural center for the creation of numerous programs, often through short non-credit courses and institutes, which apply the college's resources to the many problems arising in a large urban community and to satisfying the desire of its citizens for continuing education. In this sense the educational role of this college is truly multi-purpose.

FOUR-YEAR DEGREES

Bachelor of Arts in the fields of history, English, French, music, political science, and psychology.

Bachelor of Science in the fields of biology, chemistry, and mathematics.

Bachelor of Business Administration in the fields of accounting, management-marketing, economics, and finance.

(Each of these above degrees may be taken along with an approved program leading to certification for secondary school teaching.)

Bachelor of Science in Education-Speech Correction.

Bachelor of Science in Elementary Education.

Bachelor of Science in Medical Technology.

Bachelor of Science in Dental Hygiene Education.

Bachelor of Science in Health Care Administration

Bachelor of Science in Criminal Justice

Bachelor of Arts in Social Welfare

TWO-YEAR DEGREES

The following two-year degrees are offered as preparation for higher degrees in the liberal arts and professions and for positions in business:

Associate in Arts

Associate in Arts in Nursing

(This degree prepares graduates for the state examination for licensure as registered nurses.)

Associate in Science in Dental Hygiene

Associate in Science in Criminal Justice

PRE-PROFESSIONAL PROGRAMS

Armstrong State College offers the first year of programs in forestry and veterinary medicine; the first two years of programs in engineering, industrial management, physical education, physics, pharmacy; the first three years, or the entire pre-professional programs, in dentistry, law, medicine, optometry, and other fields. The student planning to transfer from Armstrong State College into professional or academic major program not offered here should, at the beginning of his freshman year, consult the catalog requirements of the school he plans to attend.

OFFICE OF COMMUNITY SERVICES

Short Courses, Workshops and Seminars are planned, organized and administered by the office in response to group interest, or to meet a community need brought to the attention of the Dean for Community Services. All are offered on a non-credit basis and, except in very few cases, there are no special requirements or prerequisites for admission. A brochure of courses, under the heading of "Schedule of Evening Classes" is mailed before the beginning of every quarter; anyone wishing to do so may have his name placed on this mailing list. Subjects covered vary widely; the series is designed to offer something to appeal to almost any adult taste, from Computer programming to Interior Decoration. The Dean is always glad to arrange courses for candidates preparing to take professional examinations in engineering, insurance, real estate, and in other areas; the college has been approved as an Examination Center for a number of these examinations. One-day workshops are also planned and managed by this office.

EVENING CLASSES

In addition to the full daytime schedule, Armstrong offers a schedule of classes in the evening, including most of the required courses for some degree programs. Students employed during the day must limit their enrollment to one or two courses each quarter.

ACADEMIC SKILLS LABORATORY

The purpose of the Academic Skills Laboratory is to provide aid for those students experiencing difficulty in the areas of reading, mathematics, or English. An individualized program is planned and conducted after identification of the student's needs through diagnostic procedures.

A student may be referred to the Laboratory by a faculty member or may refer himself. The student may enroll for five to fifteen non-credit hours per quarter. The student's program may be completed in less than a full quarter, or may be continued over two or more quarters.

STUDENT EXCHANGE PROGRAM WITH SAVANNAH STATE COLLEGE

A student enrolled at Savannah State College or at Armstrong State College as a full-time student has the privilege of taking at least one course with his Dean's approval at the other college without paying an additional fee. A student, for instance, may take two courses in his home college paying full fees and one course at the other college, which would be transferred back to his home college, or a student with at least a "B" average in the preceding quarter may take three courses at his home college, paying full fees, and register at the other college for an additional course without additional cost.

A student may obtain in the Registrar's Office the proper form for permission to register for courses at Savannah State College.

LIBRARY

The Lane Library is housed in an attractive two-story building, centrally located near classrooms and the student center. The library is well lighted, air conditioned, fully carpeted and handsomely furnished. Reading rooms and individual carrel desks are available on both floors. Faculty carrels and group study rooms are available on the second floor.

The resources of the Library include approximately 70,000 books, numerous documents and pamphlets, and a collection of microfilm, other microforms, tapes, and recordings. Over 650 periodicals and newspapers are received.

Services and regulations are specified in the library handbook, available on request to the Librarian of the college.

III. Admission to the College

Application forms for admission to Armstrong State College are provided by the Admissions Officer upon request. An application cannot be considered until all required forms are properly executed and returned to the Admissions Office. Applications must be on file in the Admissions Office at least twenty days before the opening of the quarter in which the applicant wishes to enter. Deadlines for submitting applications for the 1971-72 session are:

For Summer Quarter, 1971	May 21 (New freshmen and transfers) June 4 (Transient students-Summer only)
For Fall Quarter, 1971	September 3
For Winter Quarter, 1972	December 13
For Spring Quarter, 1972	March 3
For Summer Quarter, 1972	May 19 (New freshmen and transfers) June 2 (Transient students-Summer only)
For Fall Quarter, 1972	September 1

The applicant must be at least sixteen years old on or before registration date and must give evidence of good moral character, promise of growth and development, seriousness of purpose, and a sense of social responsibility. Armstrong State College reserves the right to examine and appraise the character, the personality, and the physical fitness of the applicant. The College further reserves the right to examine any applicant by the use of psychological, achievement, and aptitude tests and to require additional biographical data and an interview before the applicant is accepted or rejected. If an interview is required, the applicant will be notified.

Armstrong State College reserves the right to refuse to accept any or all of the credits from any high school or other institution, notwithstanding its accredited status, when the College determines through investigation or otherwise that the quality of instruction at such high school or other institution is for any reason deficient or unsatisfactory. The judgment of the College on this question shall be final.

The Admissions Officer may refer any applicant to the Admissions Committee of the College for study and advice. The decision as to whether an applicant shall be accepted or rejected shall be made by the Admissions Officer in accordance with admission policies and

subject to the applicant's right of appeal as provided in the policies of the Board of Regents of the University System.

On the basis of his achievement as reflected by his high school grades and on his potential ability as shown by his scores on the Scholastic Aptitude Test, an evaluation of each applicant's readiness to undertake college work will be made.

The Admissions Officer shall, as promptly as practicable, inform the applicant of the action taken upon his application.

The College reserves the right to terminate acceptance of applications when enrollment capacity is reached. The College further reserves the right to reject an applicant who is not a resident of the State of Georgia.

All students enrolled at Armstrong State College are required to sign the Honor Pledge at the time of their initial registration. For a detailed explanation of the Honor System see the REGULATIONS section of this catalogue.

Specific requirements for admission are discussed below.

REQUIREMENTS FOR FRESHMAN APPLICANTS

1. a. Certificate of graduation from an accredited high school. A transcript of the applicant's high school record must be submitted by the high school directly to the College and must show credit for a minimum of sixteen units, including the following specific subjects:

English—4 units

Mathematics—2 units (One unit must be in algebra, although two units of algebra are desirable. For students entering the engineering or scientific fields, two units of algebra and one of geometry are needed.)

Science—2 units

Social Studies—2 units

Other units sufficient to graduate.

OR b. Successful completion of the General Educational Development Test (GED) with no score less than 45. A score report form must be submitted directly to the college by the United States Armed Forces Institute, Madison, Wisconsin 53703 (if the student took the test while in military service) or from the GED testing center where the student took the test. A student under twenty years of age who presents GED test scores must, in addition, (1) have a transcript of his high school record mailed from the high school directly to the College and (2) obtain a recommendation from the principal of the last high school attended on a form provided upon request by the Admissions Office.

2. Satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board. Official results of this test must be filed with the Admissions Office by the final date for submitting application for the quarter in which the student wishes to enroll.

The Scholastic Aptitude Test is given in all states and numerous foreign countries in November, December, January, March, May and July. Students wishing to make application to take the test may secure application forms from their secondary school principal or counselor, or by writing directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701, for an application form and the *Bulletin of Information* which is available without charge. Applicants who wish to enroll at the beginning of the Winter Quarter should take the Scholastic Aptitude Test in November.

3. Application fee of \$10 which must accompany the application form. This fee does not bind Armstrong State College to admit the applicant nor does it indicate acceptance of the applicant's qualifications. The fee will not be credited toward the matriculation fee in the event that the applicant is accepted as a student and it will not be refunded in the event that the applicant does not enroll as a student. An applicant who fails to enroll in the quarter for which he is accepted must reapply for admission if he wishes to enter the institution at a later time by resubmission of fee by the date specified.

4. Emergency Surgery or Medication Permit signed by the parents of a student (or the student himself if over 21 years of age) must be returned prior to admission either authorizing or not authorizing the College to take whatever action is deemed necessary in the case of an emergency until the parents can be reached.

5. Physical examinations prior to admission are required for all entering students with the exception of the following: evening students, special students, transient students, and auditors.

ADVANCED PLACEMENT

Armstrong State College gives advanced placement, or in some cases college credit, for college level high school courses, on the basis of the high school teacher's recommendation, the student's grade on the Advanced Placement Examination of the CEEB, and approval by the appropriate department head of Armstrong State College.

QUARTER-ON-TRIAL

A Georgia applicant for admission to the freshman class who has not previously attended any other college and whose predicted first-year-average grade does not qualify him for regular admission may be admitted to the Quarter-On-Trial Program.

A student admitted to the Quarter-On-Trial Program must enroll in the appropriate freshman English course; and with the recommendation of his faculty advisor, he may enroll for as many as two additional academic courses. By satisfactorily completing the appropriate English course *and* by meeting the grade-point-average requirements specified in the table on page 59, a Quarter-On-Trial student may qualify for continuation in the next quarter as a regular student.

REQUIREMENTS FOR TRANSFER APPLICANTS

1. Transfer applicants will follow the same procedures as freshman applicants, except that transfer applicants who will have achieved sophomore standing at the time of their entrance will not be required to submit their high school records. Such records may be required by the Admissions Office but normally the transcripts of previous college records will suffice in place of the high school record. A transfer applicant must ask the Registrar of *each* college he has previously attended to mail an official transcript of his record to the Admissions Office at Armstrong State College, regardless of the transferability of the credits.

2. Transfer applicants with less than sophomore standing (less than 45 quarter hours completed) must meet entrance requirements of both freshman and transfer applicants and will be required to submit their high school records as well as transcripts of college records.

3. A transfer applicant will not be eligible for admission to Armstrong State College unless he is eligible to return to the last college attended on the date he expects to enter Armstrong. A student who is on suspension from another college because of poor scholarship or disciplinary reasons will not be eligible for admission.

4. A transfer applicant will be considered for admission to Armstrong State College if, on *all* work attempted at other institutions, his academic performance as shown by his grade point average is equivalent to the minimum standard required by Armstrong State College students of comparable standing. (See chart under Academic Probation and Dismissal Policy on page 59.)

5. Credit will be given for transfer work in which the student received a grade of "D" or above with the percentage of "D" grades not to exceed twenty (20) per cent of the total hours being transferred. College credit will not be allowed for such courses as remedial English or remedial mathematics or courses basically of secondary school level.

6. Credits earned at an institution which is not a member of the appropriate regional accrediting agency can be accepted on a provisional basis only. A student transferring from an institution which is not a member of a regional accrediting agency must achieve a "C" average on his first fifteen quarter hours of work at Armstrong in order to be eligible to continue. In certain areas he may be required to validate credits by examination. In computing cumulative grade averages, only the work attempted at Armstrong will be considered.

7. The amount of credit that Armstrong will allow for work done in another institution within a given period of time may not exceed the normal amount of credit that could have been earned at Armstrong during that time. A maximum of 100 quarter hours may be transferred from a junior college. For a bachelor's degree, 90 quarter hours of junior and senior level work will be required (except in certain approved programs in mathematics, the natural sciences, and music), of which the last 45 quarter hours in courses numbered 200 and above must be taken at Armstrong. At least half of the courses offered in the major field must be taken at Armstrong.

8. Not more than one-fourth of the work counted toward a degree may be taken by correspondence or extension courses. No correspondence courses may be used to meet requirements in the major field or the related field for the bachelor's degree. No correspondence courses may be taken while a student is enrolled at Armstrong State College without prior approval of the Dean of the College and the head of the department in which the student is majoring. Correspondence credit will not be accepted for courses in English composition or foreign language.

CONTINUING EDUCATION STUDENTS

All military personnel and adults, age 22 years or older, who wish to take regularly scheduled courses for personal enrichment and other non-degree objectives may be enrolled for credit or as auditors. If these students enroll for credit, they must meet all prerequisites for the course involved; if they enroll as auditors, they must have the

permission of the instructor involved. Admission of Continuing Education students requires: (1) evidence of high school graduation or possession of GED certificate or (2) transcript from last college attended. Students on probation or suspension will not be permitted to enroll in this program without approval by the Admissions Committee.

A maximum of 45 quarter hours credit may be earned by students enrolled in this classification. Should a degree become the objective of a Continuing Education student, he must apply for admission as a degree candidate, meeting regular admission requirements.

All college fees apply to students in this classification with the exception of the application fee which is not required until the student requests admission as a degree candidate. Military personnel pay fees in accordance with negotiated military contracts.

READMISSION OF FORMER STUDENTS

A student who has not been enrolled at Armstrong for one or more quarters must apply for readmission on a form provided by the Admissions Office. A former student who has not attended another college since leaving Armstrong may be readmitted provided he is not on suspension at the time he wishes to reenter. A former student who has attended another college since leaving Armstrong must meet requirements for readmission as a transfer student or as a transient student, whichever is applicable. A student who is readmitted after an absence from the College for more than two years must meet degree requirements as listed in the catalogue in effect at the time of his return.

TRANSIENT STUDENTS

Transient student status means that a student is admitted to Armstrong State College only for a specified period of time, normally a summer quarter. An applicant for transient status must file a regular application form and submit a statement from his Dean or Registrar that he is in good standing and has permission to take specific courses at Armstrong to be transferred to his own institution when satisfactorily completed. Since transient students are not admitted as regular Armstrong students, transcripts of college work completed elsewhere are not usually required of such applicants. A transient student who wishes to remain at Armstrong

onger than one quarter must submit an additional statement from his Dean or Registrar or he must meet all requirements for regular admission as transfer student.

ARMSTRONG STATE COLLEGE ACCELERATED PROGRAM FOR HIGH SCHOOL STUDENTS

This program marks a new venture for this community in which college and high school join to challenge intellectually able young men and women to test their interests and their capacity to learn.

The Program

High school students who have completed the eleventh grade, who have met the criteria for admission to the program and who maintain its standards will be permitted to enroll in one course each quarter at Armstrong State College while they complete the senior year of high school. Upon graduation from high school, these students will be admitted upon application as regular students of the College and will be given full college credit for the courses taken at Armstrong.

Through this program, a student may complete over two-thirds of the freshman year of college before he begins his regular college career.

The maximum number of college courses possible is:

Summer	1 course (5 qtr. hours)
Fall	1 course (5 qtr. hours)
Winter	1 course (5 qtr. hours)
Spring	1 course (5 qtr. hours)
Summer (following high school graduation and admission to Armstrong)	3 courses (15 qtr. hours)
	7 courses (35 qtr. hours)

The College Courses

Every student accepted in this program must take a course in English or mathematics first. Thereafter, he may choose any freshman course, with permission of his college adviser.

Criteria for Admission

The College will consider a student for this program only upon written recommendation of his high school principal. In the view of

the College, it is only the principal who can judge the circumstances that may make the program valuable and practicable for any student.

To be admitted to the program a student must satisfy all of these criteria:

1. written recommendation by the Principal of the high school;
2. completion of the eleventh grade in an accredited high school;
3. a combined verbal and math score of 1000 on CEEB tests;
4. an average grade of B or better in academic subjects (English, mathematics, science, social studies, language) through the ninth, tenth and eleventh grades as averaged by the Armstrong State College Admissions Officer.
5. written permission of the parents.

Standards

A student forfeits the privilege of this program if in any quarter his grade in the college course is below C or his high school average in academic courses is below B.

Procedure for Admission

A high school principal may recommend students following the fifth six-week period of the students' eleventh year. The recommendation to the College must be made by May 15th if the student intends to begin in the summer. The principal may recommend following the full eleventh year by August 15th if the student intends to begin in the fall.

FOREIGN STUDENTS

A student from a country other than the United States who is interested in attending Armstrong must meet the following requirements before application is made:

1. He must have met the requirements of freshman applicants.
2. He must have an official transcript of his academic record mailed to the Admissions Office at Armstrong with an official translation.
3. He must take the SAT of the College Entrance Examination Board in the testing center nearest his home and ask that the results be sent to Armstrong.
4. He must take the Test of English as a Foreign Language and ask that the results be sent to Armstrong. (Applications for the test are available from the Educational Testing Service, Box 899, Princeton, N. J. 08540.)

If the applicant meets the academic requirements for admission, he will be sent an application form. After it has been returned and approved, the applicant will be sent an 1-20 Form (1-20A and 1-20B), which he can then take to the American consul to ask for a student visa. When he arrives on campus, he will be tested in English composition by the Department of English for class placement.

No scholarships are available for students who are not legal residents of Georgia. All foreign students must pay non-resident fees.

ADMISSION OF VETERANS

After having been accepted at Armstrong State College and upon receipt of Certification of Eligibility and Entitlement from the Veterans Administration, veterans may attend under Public Law 358 (Veterans Readjustment Benefits Act of 1966), Public Law 815 (disabled), Public Law 894 (disabled), Public Law 634 (war orphans), Public Law 361 (children of permanently disabled veterans). Students under Public Laws 358, 361, or 634 should be prepared to pay tuition and fees at the time of registration.

APPLICANTS SPONSORED BY VOCATIONAL REHABILITATION

Those applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six (6) weeks before the beginning of any quarter to insure proper processing of applications.

FINANCIAL AID

(See Financial Aids, Section V of this Bulletin for further information.)

REGISTRATION AND ORIENTATION

Prior to the Fall Quarter a period of orientation is set aside to assist new students in becoming acquainted with the College, its curriculum, extra-curricular activities, student leaders, counselors, members of the faculty and the administration. Complete instructions concerning registration are made available to all students at the beginning of the registration period. Registration includes coun-

seling, academic advisement, selection of courses, enrollment in classes, and payment of fees. Full details regarding orientation and registration are provided to all incoming students during the summer preceding their initial enrollment.

RESIDENCY REQUIREMENTS OF THE BOARD OF REGENTS

To be considered a *legal* resident of Georgia, the applicant must establish the following facts to the satisfaction of the Registrar.

1. A student who is under 21 years of age at the time he seeks to register or re-register at the beginning of any quarter will be accepted as a resident student only upon a showing by him that his supporting parent or guardian has been legally domiciled in Georgia for a period of at least twelve months immediately preceding the date of registration or re-registration.
2. In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of appointment, and then only upon proper showing that such appointment was not made to avoid payment of the non-resident fee.
3. If a student is over 21 years of age, he may register as a resident student only upon a showing that he he has been domiciled in Georgia for at least twelve months prior to the registration date.

Any period of time during which a person is enrolled as a student in any educational institution in Georgia may not be counted as a part of the twelve months' domicile and residence herein required when it appears that the student came into the State and remained in the State for the primary purpose of attending a school or college.

4. A full-time faculty member of the University System, his or her spouse, and minor children may register on the payment of resident fees, even though the faculty member has not been a resident in Georgia for twelve months.
5. If the parents or legal guardian of a minor change residence to another state following a period of residence in Georgia, the minor may continue to take courses for a period of twelve consecutive months on the payment of resident fees. After the expiration of the twelve months' period the student may continue his registration only upon the payment of fees at the non-resident rate.

6. Military personnel and their dependents may become eligible to enroll in institutions of the University System as resident students provided they file with the institution in which they wish to enroll the following:
 - a. A statement from the appropriate military official showing that the applicant's "home of record" is the State of Georgia; and
 - b. Evidence that applicant is registered to vote in Georgia; or
 - c. Evidence that applicant, if under 18 years of age, is the child of parents who are registered to vote in Georgia; and
 - d. Evidence that applicant or his supporting parent or guardian filed a Georgia State income tax return during the preceding year.
7. Foreign students who attend institutions of the University System under sponsorship of civic or religious groups located in this state, may be enrolled upon the payment of resident fees, provided the number of such foreign students in any one institution does not exceed the quota approved by the Board of Regents for that institution.
8. All aliens shall be classified as non-resident students; provided, however, that an alien who is living in this country under a visa permitting permanent residence or who has filed with the proper federal immigration authorities a declaration of intention to become a citizen of the United States shall have the same privilege of qualifying for resident status for fee purposes as has a citizen of the United States.
9. Teachers in the public schools of Georgia and their dependents may enroll as students in University System institutions on payment of resident fees, when it appears that such teachers have resided in Georgia for nine months, that they were engaged in teaching during such nine months' period, and that they have been employed to teach in Georgia during the ensuing school year.
10. If a woman who is a resident of Georgia and who is a student in an institution of the University System marries a non-resident of the State, she may continue to be eligible to attend the institution on payment of resident fees, provided that her enrollment is continuous.

11. If a woman who is a non-resident of Georgia marries a man who is a resident of Georgia, she will not be eligible to register as a resident student in a University System institution unless she has been domiciled in the State of Georgia for a period of twelve months immediately preceding the date of registration.

ADMISSION TO THE ASSOCIATE IN ARTS DEGREE PROGRAM IN NURSING

Nursing calls for a variety of skills and aptitudes and offers unlimited opportunities for different kinds of service. Therefore, a candidate for the nursing program should have good physical and mental health as well as those personal qualifications appropriate for nursing. For these reasons the Admissions Committee selects students whose abilities, interests, and personal qualities show promise of success in the program and in the field of nursing. Factors influencing the decision of the Admissions Committee include achievement as shown on the secondary school record, ability measured by the Scholastic Aptitude Test, motivation for nursing, health, personal qualities, and social adjustment. Applicants who, in the judgment of the Admissions Committee, present high overall qualifications are selected. Since applications are processed as received, applicants are encouraged to apply early in the senior year of high school or as early in the year preceding admission as possible. Application forms are available from the Admissions Officer of the College.

The preferred age for applicants, married or single, at the time of entrance is 18. The upper age limit is 40 years. Applicants who have not reached their 18th birthday but who can show evidence that they will reach their 20th birthday by the date they are scheduled to complete the program will be considered. The State of Georgia requires, as do most other states, United States citizenship, either natural born or naturalized, for registered nurse licensure. Candidates for admission to the nursing program who are not citizens may be admitted only under certain circumstances and should make individual inquiries.

How to Apply

1. Complete the application form for admission to Armstrong State College and return it with the non-refundable \$10 application fee. Mark the application *For Nursing Only*.
2. Complete the Personal Data Sheet for the nursing program.
3. Have the medical form completed by a licensed physician.

4. Have the dental form completed by a dentist.
5. Take the National League for Nursing Aptitude Test on one of the dates scheduled on campus. Applications for the National League for Nursing Aptitude Test may be obtained from the Department of Allied Health at Armstrong State College or from the Director of Admissions at Armstrong State College.
6. Take the Scholastic Aptitude Test given by the College Entrance Examination Board as early in the year as possible. When applying for the test, be certain to list Armstrong State College as one college to receive your scores.
7. Have a transcript of your high school record mailed from the high school directly to the Admissions Office at Armstrong. (A transfer student should also ask the Registrar of *each* school or college she/he has previously attended to mail an official transcript of her/his record to the Admissions Office at Armstrong, regardless of the transferability of the credits.)
8. Send, or have sent, two letters of reference directly to the Admissions Office from non-family members (teachers, employers, or other qualified persons) who have known you for at least three years.
9. Send, or have sent, to the Admissions Office a certified copy of your birth certificate.

Other Information

1. It is recommended that applicants who have been away from school for a considerable period of time enroll in at least one course in an accredited college of their choice during the school year or summer preceding their planned entrance to the nursing program.
2. Except in unusual circumstances, no credit will be given for nursing courses taken in another school of nursing.
3. An applicant on academic suspension or probation from another college will not be considered.
4. Nursing students are responsible for providing their own transportation to and from campus to the clinical area. (i.e., community hospitals and other health agencies).

5. Armstrong State College does not provide student housing. It is necessary for the students whose homes are not located in Savannah to make private arrangements for living accommodations. The responsibility for procuring suitable housing rests with the student and her/his parents. For further information regarding housing, please contact the Office of Student Affairs.
6. Students are required to wear the official student uniform of the nursing program. Uniforms will be ordered during the Winter Quarter and may be purchased from the College Bookstore.
7. Fees for a nursing student will be the same as for any other student at Armstrong. Please refer to the Fees section of the current *Bulletin*.
8. Students are admitted to the nursing sequence courses once each year in the fall. Seven consecutive quarters in the nursing program are required. Students may begin the academic courses required in the program in any quarter.
9. All nursing courses must be taken in sequence. Each nursing course has a prerequisite beginning with Fundamentals of Nursing.
10. All students must take the National League for Nursing Practical Nursing Aptitude and Guidance Examination.
11. Students accepted for the nursing program will be sent information on supplies and equipment needed for the Fall Quarter approximately two weeks before the opening of school with a proximate charges.
12. Admission to Armstrong State College does not in any way guarantee formal admission into the nursing program. Formal admission and continuation in the second quarter of the program is dependent upon a student's obtaining a passing grade of "C" in nursing and maintaining an overall 2.0 average in the first quarter.

ADMISSION TO THE ASSOCIATE IN SCIENCE DEGREE PROGRAM IN DENTAL HYGIENE

The profession of Dental Hygiene is an ideal career for young women interested in science and health services. The growing and constant demand for graduate dental hygienists assures a young woman of regular hours and good compensation.

A dental hygienist works under the general supervision of a dentist and performs a number of dental functions. Her activities usually include performing oral prophylaxis (cleaning of the teeth), instructing patients in dental health, taking, developing and mounting dental x-rays, applying fluorides and sometimes assisting the dentist in chairside and laboratory duties.

There are certain personal qualifications which are essential for a successful dental hygienist. These are good health, neat appearance, high moral character, a desire to be of service to others, and the ability to get along well with people.

The Armstrong State College program consists of seven quarters of full time study (two academic years and the intervening summer). Applicants are matriculated once each year, in September.

There are no definite age requirements or restrictions for the basic Dental Hygiene program. However, all applicants must be graduates of an accredited high school or its equivalent. Students may be either married or single and must be citizens of the United States, either natural born or naturalized.

Applicants must meet the admission requirements for Armstrong State College and the School of Dental Hygiene.

The major part of an applicant's secondary school work should be in the college preparatory program and should include two years of mathematics. Because of the heavy emphasis on science in the dental hygiene curriculum, it is important that applicants have a good foundation in chemistry and biology. The quality of the candidate's work in high school English and social studies is most important in evaluating her total qualifications for admission to the Dental Hygiene program. Other factors which influence the decision of the Dental Hygiene admissions committee are: a "C" or better average in high school, an acceptable score (composite-verbal and mathematical) on the Scholastic Aptitude Test given by the College Entrance Examination Board, and an average of 4 on the Dental Hygiene Aptitude Test.

How To Apply

1. Complete the application form for admission to Armstrong State College and return it with the non-refundable \$10 application fee. Mark the application *For Dental Hygiene Only*.
2. Complete the Personal Data Sheet for the dental hygiene program.

3. Have the medical form completed by a physician.
4. Have the dental form completed by a dentist.
5. Take the Dental Hygiene Aptitude Test on one of the three dates scheduled on campus. Applications for the Dental Hygiene Aptitude Test may be obtained from the Department of Allied Health at Armstrong State College or from the Director of Admissions at Armstrong State College.
6. Take the Scholastic Aptitude Test given by the College Entrance Examination Board as early in the year as possible. When applying for the test be certain to list Armstrong State College as one college to receive your scores.
7. Have a transcript of your high school record mailed from the high school directly to the Admissions Office at Armstrong. (A transfer student should also ask the Registrar of *each* school or college she has previously attended to mail an official transcript of her record to the Admissions Office at Armstrong, regardless of the transferability of the credits).

Other Information

1. It is recommended that applicants who have been away from school for a considerable period of time enroll in at least one course in an accredited college of their choice during the school year or summer preceding their planned entrance to the Dental Hygiene program.
2. For the Associate in Science Degree, no credit will be given for Dental Hygiene courses taken in another school of Dental Hygiene.
3. An applicant on academic suspension or probation from another college will not be considered.
4. Dental Hygiene students are responsible for providing their own transportation to and from campus and to community agencies when assigned for field experiences.
5. Armstrong State College does not provide student housing. It is necessary for the students whose homes are not located in Savannah to make private arrangements for living accommodations. The responsibility for procuring suitable housing rests with the student and her parents. For further information regarding housing, please contact the Office of Student Affairs.
6. Students are required to wear the official student uniform of the Dental Hygiene Program. Uniforms will be ordered during the Winter Quarter and may be purchased from the College Bookstore.
7. Fees for Dental Hygiene students will be the same as for any other student at Armstrong. Please refer to the Fees section of the current *Bulletin*.

8. Students are admitted to the Dental Hygiene sequence courses once each year in the fall. Seven consecutive quarters in the Dental Hygiene program are required. Students may begin the academic courses required in the program in any quarter.
9. All Dental Hygiene clinical courses must be taken in sequence. Each Dental Hygiene course has a prerequisite beginning with Dental Hygiene 101.
10. All students must take the Dental Hygiene Aptitude Test to be considered for admission.
11. Students accepted for the Dental Hygiene program will be sent information on supplies and equipment needed for the Fall Quarter approximately two weeks before the opening of school with approximate charges.
12. Admission to Armstrong State College does not in any way guarantee formal admission into the Dental Hygiene Program. Formal admission and continuation in the program for the second quarter is dependent upon a student's obtaining a passing grade of "C" in dental hygiene and maintaining an overall 2.0 average first quarter.

ADMISSION TO THE ASSOCIATE IN SCIENCE DEGREE PROGRAM IN CRIMINAL JUSTICE

1. evidence of high school graduation (or equivalent) as shown by the high school transcript or General Educational Development credit (USAFI credits or credits earned through his school correspondence courses are not accepted);
2. transcripts from all previous colleges attended;
3. a letter of recommendation from high school principal, teacher, or counselor, and letter from the chief law enforcement officer in his community.

The applicant must be approved by the faculty of the Department of Criminal Justice.



IV. Fees

APPLICATION FEE

The Application Fee of \$10.00 is paid by all students at the time of initial application for admission to Armstrong State College. The acceptance of the Application Fee does not constitute acceptance of the student. This fee is not refundable.

MATRICULATION FEE

The Matriculation Fee for students registering for the normal course load of fifteen hours is \$105.00. Students carrying less than 12 credit hours in a quarter will pay at the rate of \$9.00 per quarter hour in Matriculation Fees.

OUT OF STATE TUITION

Non-residents of Georgia must pay a fee of \$135.00 per quarter in addition to all regular fees. Students carrying less than 12 credit hours in a quarter who are not legal residents of the State of Georgia will pay at the rate of \$11.00 per quarter hour Out-of-State Fee in addition to all regular fees.

STUDENT ACTIVITY FEE

There will be a Student Activity Fee of \$15.00 per quarter. This fee is not refundable.

LATE REGISTRATION FEE

A late registration fee of \$4.00 will be charged to students registering on the date listed in the catalog as the date on which classes begin. A fee of \$5.00 will be charged for registrations completed on the date listed in the catalog as the "last day to register for credit."

CHANGE OF SCHEDULE FEE

A fee of \$2.00 is charged for the changing of a student's schedule after the registration cards have been processed. No charge is made if the change is initiated by the College. This fee is not refundable.

GRADUATION FEE

A Graduation Fee of \$10.00 will be collected from each candidate for Graduation.

TRANSCRIPT FEE

Each student is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

MUSIC FEES

Students who are not full-time music majors registered for 10 or more quarter hours will be required to pay a special fee for applied music courses in addition to the regular registration and matriculation fees. The fees are indicated in the description of applied music courses as listed under the Department of Fine Arts in Section IX of the bulletin.

Students who are full-time music majors and registered for 10 or more quarter hours are not required to pay this special fee.

MAKE-UP TEST FEE

For cause, a student may arrange with an instructor to make up an announced quiz or final examination. The arrangements to make up the announced test must be made within one week after the student returns to college.

A fee of \$2.00 is charged for the making up of any announced quiz and a fee of \$5.00 for a make-up final examination and laboratory examinations, except as shown below. The total charges to any one student for a final make-up examination in a given subject shall not exceed \$5.00. All fees will be paid to the Business Office.

The conditions under which fees for make-up quizzes and final examinations will not be charged are as follows: the student was absent (1) on official college business; (2) due to illness; (3) because of death in the family; or (4) in observing religious holidays.

The student's reasons for claiming exemption from paying the fee must be presented in writing to the instructor.

SHORT COURSES

Fees are announced for each course when the course is announced. No refund can be made for withdrawal from a course.

SUMMARY OF FEES

Matriculation per quarter	\$105.00
Student Activity, per quarter	15.00
TOTAL FOR GEORGIA RESIDENTS	120.00
Out of State Tuition, per quarter	135.00
TOTAL FOR NON-RESIDENTS	255.00
Matriculation, Part-time Students, per quarter hour	9.00
Non-Resident Tuition, Part-time Students, per quarter hour (in addition to Matriculation Fee)	11.00

PRIVILEGE FEES

Application Fee	\$10.00
Late Registration-Maximum	5.00
Special Examinations	2.00
Final Examinations	5.00
Graduation Fee	10.00
Transcript, first one free, each additional	1.00
Change of Schedule	2.00

REFUNDS

Refunds of fees will be made only upon written application for withdrawal from school. No refunds will be made to students dropping a course. Students who formally withdraw on the date of scheduled registration or during one week following the scheduled registration date are entitled to a refund of 80% of the fees paid for that quarter. Students who formally withdraw during the period between one and two weeks after the scheduled registration date are entitled to a refund of 60% of the fees paid for that quarter. Students who formally withdraw between two and three weeks after the scheduled registration date are entitled to a refund of 40% of the fees paid for that quarter. Students who formally withdraw during the period between three and four weeks after the scheduled registration date are entitled to a refund of 20% of the fees paid for that quarter. Students who withdraw after a period of four weeks has elapsed from the scheduled registration date will be entitled to no refund of any part of the fees paid for that quarter.

Fees and Charges are Subject to Change at the End of any Quarter

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Fees for each quarter are to be paid in full at the time of registration.

If a check is not paid on presentation to the bank on which it is drawn, the student's registration will be cancelled and the student may re-register only on payment of a \$5.00 service charge.



V. Financial Aids

FINANCIAL AIDS

A college education for qualified students, regardless of their economic circumstances, is the guiding principle behind Armstrong State College's program of student financial aid. Through an expanding program of financial aid which offers scholarships, short-term loans, long-term loans, grants, and student employment, Armstrong State College tries to provide an opportunity for all qualified students with limited resources to attend college.

In selecting a financial-aid recipient, special consideration is given to the applicant's record of achievement and promise of success as well as his financial need. Gift scholarships usually specify high academic standards as an eligibility requirement; otherwise full-time students in good standing who progress normally toward their degree-goal are eligible for financial aid.

Armstrong State College uses the College Scholarship Service which evaluates the Parents' Confidential Statement. Freshmen may secure this form from the local high school counselor, from the Office of Student Affairs of the College, or from the College Scholarship Service, P. O. Box 176, Princeton, New Jersey. Applications which do not include this financial data are incomplete and cannot be considered. Applications for scholarships must be filed before May 1. Final action cannot be taken until the applicants have been accepted for admission to the college; thus, early application is urged.

If a student on scholarship withdraws from school, he is obligated to reimburse the college for the scholarship within one quarter following the date of withdrawal.

FINANCIAL AID APPLICATION PROCEDURE

A financial aid applicant should take the following steps:

1. File Armstrong State College Financial Aid Application Form with Director of Financial Aid, before May 1 for the Fall Quarter.
2. Apply for admission to Armstrong State College through the Admissions Office.
3. Take the Scholastic Aptitude Test given by the College Entrance Examination Board no later than January of the high school senior year and list Armstrong as one college to receive your scores.

Have parents (or guardian) complete and submit the Parents' Confidential Statement to College Scholarship Service, Box 176, Princeton, New Jersey, requesting that the Need Analysis Report be sent to Armstrong State College.

When the Director of Financial Aid has received all items listed above, consideration will be given to the student's request.

SCHOLARSHIPS

American Business Women (Azalea Chapter)
American Business Women (Rebel Chapter)
Armstrong State College Athletic Association
Harry M. Carter Scholarship
Chatham Education Association Scholarship
Clinton Oil Company
Colonial Oil Industries Scholarship
Elks Aidmore Auxiliary (Nurses)
Exchangette Club
Fraternal Order of Police
Garden City Lions Club Scholarship
Great Dane Trailer Scholarships
Robert W. Groves Scholarship
Homebuilders Association of Savannah
Inner-City Methodist Church
Junior Chamber of Commerce Scholarships
Jaycettes Scholarship
Kennen Foundation (Piano)
Kiwanis Academic Award
Kiwanis Athletic Award
Arthur Lucas Memorial Scholarship
Metropolitan Kiwanis Club of Savannah Scholarship
National Secretaries Scholarship
Pilot Club
Plumrite Scholarships
Port City Lions Club Scholarship
Anthony Porter Scholarships
Savannah Business and Professional Club Scholarship
Savannah Women's Club Scholarship
Scholarship Trust Fund Awards
Strachan Shipping Company
Union Camp Scholarships

REGENTS' SCHOLARSHIPS

Another source of scholarship aid for students who are residents of the State of Georgia is the Regents' Scholarship. These scholarships,

varying from \$250 to \$1,000, are awarded to superior students who are in need of financial assistance to attend college. To be eligible for a Regents' Scholarship, a student must have grades or predicted grades that place him in the upper 25% of his class. Recipients of Regents' Scholarships are expected, upon completion of their program of study, to reside in the State of Georgia and work one year for each \$1,000 of scholarship aid received.

Further information on these scholarships and application forms may be obtained from the Office of Student Affairs at the College. The deadline for applying for the Regents' Scholarships is April 30.

EDUCATIONAL OPPORTUNITY GRANTS

Educational Opportunity Grants are available to a limited number of students with exceptional financial need who require these grants in order to attend college. To be eligible, the student must also show academic or creative promise.

Grants will range from \$200 to \$1,000 a year and can be no more than one-half of the total assistance given the student.

NATIONAL DEFENSE STUDENT LOANS

High school graduates who have been accepted for enrollment or students who are already enrolled at Armstrong State College and who need financial help for educational expenses, are eligible for student loans. Financial need determinations are made on the basis of information included in the Parents' Confidential Statement.

The loans bear interest at the rate of 3 per cent per year. Repayment of the principal may be extended over a ten-year period except that the institution may require a repayment of no less than \$15 per month.

If a borrower becomes a full-time teacher in an elementary or secondary school or in an institution of higher education, as much as half of the loan may be forgiven at the rate of 10 per cent for each year of teaching service.

WORK-STUDY PROGRAM

Financial aid is available to students through the Work-Study Program. A number of part-time jobs are made available to students who need financial assistance. Both the institutional application and the Parents' Confidential Statement are required. While school is in session, students may work up to three hours a day. During vacation periods and in the summer, it is possible for students to work full-time.

The student's eligibility depends upon his need for employment to defray college expenses with preference given to applicants from low-income families.

STUDENT ASSISTANT PROGRAM

Work opportunities are available under the Student Assistant Program for interested students. This is a program financed by the College, and work is not necessarily assigned on the basis of financial need. Applications are available in the Office of Student Affairs.

GEORGIA HIGHER EDUCATION ASSISTANCE CORPORATION

The Georgia Higher Education Assistance Corporation guarantees educational loans made by bona fide Georgia residents. Under this plan, the student negotiates with approved banks, savings and loan associations, or insurance companies for a student loan. The loan application is reviewed and approved by the College. The lending institution, with approval of the Georgia Higher Education Assistance Corporation, makes the loan directly to the student.

While the student remains in college, GHEAC will pay the lending institution seven per cent interest. Students are required to begin repaying student loans, and interest then accruing on such loans, ten months following graduation or withdrawal from school. The student shall be entitled to accelerate, without penalty, the payment of the whole or any part of a guaranteed loan.

LAW ENFORCEMENT EDUCATION PROGRAM

Through the Law Enforcement Student Loan Program and the Law Enforcement Student Grant Program, low-interest loans and grants for tuition and fees are made available to eligible students. Loans are made only to students who are enrolled or accepted for enrollment on a full-time basis in the Criminal Justice Program. Grants are available only to students who are officers of publicly-funded law enforcement agencies enrolled or accepted for enrollment on a full-time or part-time basis in an area related to law enforcement or an area suitable for those employed in law enforcement.

NURSING STUDENT LOAN PROGRAM

The Nursing Student Loan Program provides financial assistance for nursing students in the form of long-term, low-interest loans. Students enrolled in nursing schools are eligible to receive a \$1,500

loan, or the amount of their financial need, whichever is the lesser. A uniform interest rate of three percent per year will apply to student loans made after June 30, 1969. Fifty percent of the loan may be forgiven at the rate of 10 percent each year for full-time employment as a professional nurse in any public or non-profit institution or agency.

The Nursing Student Scholarship Program makes scholarships available to students from low-income families.

BARNEY MINKOFF PADEREWSKI SCHOLARSHIP MEMORIAL FUND

Students from Georgia enrolled in the Dental Hygiene Program may receive loans up to \$500 per year, interest free. Repayment shall begin six months after the student has ceased to be enrolled as a student at the minimum rate of \$50 per month. Applications are available in the Office of Student Affairs.

OTHER SOURCES OF FINANCIAL AID AT ARMSTRONG STATE COLLEGE

A limited number of short-term loans are available at low interest rates for emergency purposes.

CLINTON LODGE NO. 54, F. & A. M. SCHOLARSHIP-This scholarship is for graduates of the regular high schools of the Public School System of Chatham County. Grants will be awarded to students whose family income is \$7,500 or less; who stand in the top 30% of their class; who have a combined SAT score of 900, and who are of good character. Apply to: Education Committee, Clinton Lodge No. 54, F. & A. M., P. O. Box 992, Savannah, Georgia, by June 1.

SOLOMONS' LODGE NO. 1, F. & A. M. SCHOLARSHIP-Two scholarships for \$240 each to be awarded to a graduate of a tax-supported high school. Apply to: Committee on Scholarship Awards Solomon's Lodge No. 1, F. & A. M., P. O. Box 1711, Savannah, Georgia.

SAVANNAH CHAPTER, NATIONAL SECRETARIES ASSOCIATION-One scholarship covering tuition, fees and expenses for a female student majoring in secretarial science. Apply to high school counselor or typing teacher.

WILLIAM F. COOPER EDUCATION FUND-Provides scholarship to female students in all fields except law, theology, and medicine (nursing and medical technology are acceptable). Apply to: Trust Department, Savannah Bank & Trust Company, between April 1 and May 31.

KENNEN FOUNDATION MUSIC SCHOLARSHIPS-For piano students. Applicants may apply for an audition prior to May 1 at Kennen Foundation Headquarters, 1451 Dale Drive, Savannah, Georgia.

STATE TEACHERS SCHOLARSHIPS-Provide scholarship funds for residents of Georgia for the purpose of pursuing a full academic program of studies leading to a professional teacher's certificate. In order to qualify for a State Teachers Scholarship, a student must have an average of *B* or higher. The amount of the scholarship award will depend on the need of the student.

THE STATE SCHOLARSHIP COMMISSION-Provides scholarships for students who cannot otherwise finance the cost of a program of study in dentistry, nursing, pharmacy, social work, paramedical fields and other educational and professional fields of study as defined and approved by the Commission.

TY COBB EDUCATION FOUNDATION SCHOLARSHIP-Provides scholarship aid for residents of the State of Georgia who have completed their freshman year in college. Apply to: Ty Cobb Educational Foundation Scholarships, Room 454, 244 Washington Street, S.W., Atlanta, Georgia 30303.

PICKETT & HATCHER EDUCATIONAL FUND-Provides loans at reasonable interest rates to students in need of such aid to attend college. Apply to: Pickett & Hatcher Educational Fund, P. O. Box 1238, Columbus, Georgia.

SAVANNAH PHARMACEUTICAL ASSOCIATION SCHOLARSHIP-One Scholarship for \$200 for a freshman student majoring in pre-pharmacy to attend Armstrong College (or the University of Georgia). Apply to: Mr. Thomas C. Crumbley, Chairman, Scholarship Committee, Savannah Pharmaceutical Association, c / o Crumbley's Pharmacy, 1502 Waters Avenue, Savannah, Georgia.

CHATHAM ARTILLERY SCHOLARSHIPS-A number of scholarships for \$250 each to members of the Chatham Artillery attending college full time. Apply to the Chatham Artillery.

STATE DEPARTMENT OF VOCATIONAL REHABILITATION-Students who have had a physical or emotional handicap, and have been treated successfully, and are acceptable for vocational rehabilitation, may receive financial assistance to attend college through the State Department of Vocational Rehabilitation. Apply to: 35 Abercorn Street, Savannah, Georgia.

VI. Academic Regulations

ACADEMIC ADVISEMENT

Every student who enters Armstrong State College indicates at the time he applies for admission what major program he hopes to follow toward a degree, either at Armstrong or at another college.

If the student has not yet decided upon a choice for his major program, he may attend several advising sessions during the orientation period. In fact, it is not necessary for the student in many major programs for the Bachelor of Arts degree to make a choice until the end of his sophomore year. If a student waits one or two years to choose a major program leading to a Bachelor of Science degree, he will probably find that he must take additional courses to meet graduation requirements. For a student attempting to choose a major field during his first two years, the Office of the Dean of Student Affairs offers counselling and faculty members are happy to discuss aspects of their fields.

During Orientation Week and before registration, all new entering students, both freshmen and transfer students, will meet with the faculty advisor for the major program they have indicated. The advisor will guide them at this time in mapping out a schedule for the first two years. The student is then responsible for taking the courses required for his program, as outlined in the college Bulletin, in the proper sequence, during his freshman and sophomore years. If the student has questions concerning the courses required or the proper scheduling of them during these first two years, he should see the faculty advisor assigned by his major department to confer with students during the pre-advisement period scheduled in the college calendar. Since the student is responsible for fulfilling the requirements of his program, he does not need the written approval of a faculty advisor in order to register for courses each quarter.*

During the third quarter of his sophomore year, a student hoping to pursue a four-year major program should take to the faculty advisor assigned by his major department a list of the courses he has completed with grades. Having satisfactorily completed the requirements for the first two years of his major program, he will then be admitted formally to the third year of the major program and guided by the departmental adviser in mapping out his curriculum for the last two years. During the six quarters of his junior and senior years the student must have his course selection approved in writing by the departmental adviser each quarter before

*However, a student must be extremely careful to observe all regulations for admission to courses, such as the requirement of other prerequisite courses, sometimes with a specified grade. Credit for a course is invalid unless all its prerequisite requirements are observed.

registration. The proper time for this is during the pre-advisement period listed in the college calendar. During these last two years, the adviser will keep a record of the courses the student takes and the grades he makes, and during the fall quarter of the senior year, the adviser will signify to the Registrar that the student has completed all requirements for graduation in that major program up to that time, and is, therefore, recommended for graduation.

ACADEMIC ADVISEMENT FOR STUDENTS ON ACADEMIC PROBATION

A student admitted to the College on academic probation or placed on academic probation at the end of any quarter must confer with and must have his registration cards signed by the faculty adviser assigned by his major department. A student who has not selected a major will be advised by a special adviser appointed by the Dean of the College.

RELATING TO DEGREE REQUIREMENTS

1. Each student is responsible for fulfilling the requirements of the degree program which he has chosen, in accordance with the regulations of the college catalogue.
2. Exceptions to course requirements for a degree are permitted only with the written approval of the Dean of the College upon the recommendation of the department head.
3. A student will graduate under the catalogue in effect at the time of his admission to the college. However, after an absence from Armstrong State College of two or more consecutive years, a student must meet the requirements of the catalogue in effect at the time of his return.
4. Not more than one-fourth of the work counted toward a degree may consist of courses taken by correspondence or extension. No correspondence courses may be used to meet the requirements in the major field or related fields for the Bachelor's degree or in English composition or foreign language. No correspondence courses may be taken while a student is enrolled, without prior approval of the Dean of the College and the head of the department in which the student is majoring.
5. By state law, one of the requirements for a diploma or certificate from schools supported by the State of Georgia is a demonstration of proficiency in United States history and government and in Georgia history and government. A student at Armstrong State College may demonstrate such proficiency by passing.
 - 1) Political Science 113 and History 251 or History 252,
 - or 2) A two hour examination in United States and Georgia history and government.

6. To qualify for the baccalaureate degree, a student must earn at Armstrong the last 45 quarter hours of credit applicable toward the degree; and he must complete successfully at Armstrong at least half of the courses required in his major field of study. When circumstances warrant his doing so, the Dean of the College may permit a student to complete up to *ten* of the last 45 quarter hours of credit at another college. (A request for permission to complete more than ten of these last 45 hours elsewhere will be referred to the Committee on Academic Standing.)
7. For graduation the student must earn an over-all average of 2.0 or better considering work taken at all colleges, computed in such manner that a course will be counted only once, regardless of the number of times that it has been repeated. The grade earned in the last attempt will determine the number of honor points assigned for graduation. Additionally, the student must earn a grade point average of 2.0 or better on each of the following:
 - a. all work at Armstrong;
 - b. all courses in the major field.(For regulations on grade point average governing probation and dismissal, see page 59.)
8. To qualify for a second baccalaureate degree, a candidate must earn at Armstrong at least 45 additional hours of credit and, of course, meet all qualitative requirements for the degree.
9. Before a degree will be conferred upon a student by Armstrong State College, he must pay all fees and must notify the Registrar in writing at least by the end of the preceding Fall Quarter of his intention to graduate. A candidate for a degree, unless excused in writing by the President, Dean of the College, or Dean of Student Affairs, must attend the graduation exercise at which a degree is to be conferred upon him.

COURSE AND STUDY LOAD

The normal course load for full-time students is 15 quarter hours (and a course in physical education during the freshman and sophomore years). An average student should devote at least thirty hours each week, in addition, to course preparation.

A full-time student is defined as one who is registered for 12 or more quarter hours. A part-time student is one registered for less than 12 quarter hours. (The Veterans Administration and Selective Service regulations often require that the student be enrolled for more than 12 quarter hours to be classified as a full-time student.)

The maximum course load for a student who works full-time is 18 quarter hours. A working student should plan about ten hours preparation for each 5 quarter hour course.

CLASSIFICATION OF STUDENTS

A student who has earned 45 quarter hours of credit will be classified as a sophomore; 90 quarter hours of credit, as a junior; 135 quarter hours of credit, as a senior.

PERMISSION FOR OVERLOAD OR COURSES AT ANOTHER COLLEGE

Permission to enroll for more than 17 quarter hours will be granted by the Registrar to a student

- a) with an average grade of "B" for the preceding quarter, or
- b) in an engineering program, or
- c) requiring an extra course in one of the two quarters prior to graduation.

No student will be allowed to register for more than 21 quarter hours in any one quarter.

A student who is on academic probation will not be permitted to register for more than 17 quarter hours in any one quarter.

Exceptions to these limitations may be made only by the Dean of the College.

A student enrolled in Armstrong who at the same time takes courses for credit at another college may not transfer such credit to Armstrong, unless he has obtained in advance the written permission of the Dean of Armstrong State College to register for those courses.

REPORTS AND GRADES

The faculty feels that students in college should be held accountable for their scholarship. Accordingly, grade reports, warnings of inefficient scholarship and all such notices are not sent to parents or guardians by the Registrar except on request. Instead, the students themselves receive these reports and are expected to contact their advisers whenever their work is unsatisfactory. Grade reports are issued at the end of each quarter. Reports of unsatisfactory grades are issued in the middle of each quarter. Each student has access to an adviser; in addition, the Registrar and all instructors are available to help any student seeking assistance.

Reports are based on the following system of grading.

GRADE	HONOR POINTS
A	4.0
B	3.0
C	2.0
D	1.0
F	0
Incomplete	
W Withdrew with no grade	
WF Withdrew failing	
NC No credit	

A student who receives an "I" (incomplete grade) should consult his instructor at once and arrange to complete the requirements of the course. An "I" grade which has not been removed by the middle of the succeeding quarter automatically becomes an "F".

HONORS

Dean's List: Students enrolled for at least ten quarter hours of course work who earn an honor point average of at least 3.3 will be placed on the Dean's List, which is published quarterly.

Cum Laude: Those students graduating with an honor point average of 3.2 through 3.499 will be graduated *cum laude*.

Magna Cum Laude: Those students graduating with an honor point average of 3.5 through 3.799 will be graduated *magna cum laude*.

Summa Cum Laude: Those students graduating with an honor point average of 3.8 through 4.0 will be graduated *summa cum laude*.

All work attempted at Armstrong and other accredited institutions will be considered in computing honors for graduation.

ATTENDANCE

The control of student attendance at class meetings and the effect of a student's attendance on his grades in a course are left entirely to the discretion of the instructor.

A student is responsible for knowing everything that is announced, discussed, or lectured upon in class as well as for mastering all assigned reading; he is also responsible for turning in on time all assignments and tests, including recitation and unannounced quizzes. The best way to meet these responsibilities is to attend classes regularly. An instructor may drop a student from any class with a grade of "F" if he thinks that excessive absence prevents the student from satisfactorily fulfilling his responsibilities. If such excessive absence is the result of prolonged illness, death in the family, college business, or religious holidays, the withdrawal grade will be either "W" or "F" depending on the student's status at the time he was dropped. Each instructor will be responsible for informing his classes on their meeting what constitutes excessive absence in the particular class. Each student is responsible for knowing the attendance regulation in his class and for complying with it.

PHYSICAL EDUCATION PROGRAM

All students who are enrolled for ten quarter hours or more on the day schedule are required to complete six physical education courses, one in each quarter of the freshman and sophomore years (111, 112, 113 in the freshman year).

Any student who holds a valid senior life saving certificate and/or valid water safety instructor certificate and/or passes the Armstrong swimming test may be exempted from the required swimming course.

A student graduating with an Associate in Arts Degree in less than six quarters must take one course in each quarter of his freshman and sophomore years.

Students enrolled in the Associate in Arts Degree program in nursing are required to complete three physical education courses.

A student who has completed at least six months of military service is required to take only four courses of physical education, which he may choose from all scheduled offerings, during his freshman and sophomore years.

Physical education is not required of anyone who is beyond the age of 25 at the time of initial matriculation, or of anyone enrolled primarily in evening classes.

The department requires all students to make up excused absences; unexcused absences lower the final grade.

ACADEMIC PROBATION AND DISMISSAL

A student failing to maintain the grade point average indicated for quarter hours attempted will be placed on academic probation:

Quarter Hours Attempted at Armstrong and Elsewhere	Required Cumulative GPA
0-15	1.3
16-30	1.4
31-45	1.5
46-60	1.6
61-75	1.7
76-90	1.8
91-105	1.9
106-120	1.9
121-135 and over	2.0

A student on academic probation who raises his cumulative grade point average during the probationary quarter to equal or exceed the appropriate figure in the foregoing table will be returned to good standing. One who fails to achieve the required cumulative average, but does earn an average of at least 2.0 for the quarter, will be continued on probation for the next quarter of attendance. (A grade of 'I' will be treated as 'F' until it is removed.)

The student on academic probation who does not achieve the required cumulative average or who does not earn an average of at least 2.0 for the quarter in which he is on probation will be dismissed from the college for one quarter. A third such academic dismissal will be final.

A student re-entering the college after academic dismissal is placed on probation and must meet the requirement listed above.

A student dismissed for academic reasons may appeal by letter to the President, who will refer the appeal to the Committee on Academic Standing. Such a letter of appeal should state the nature of any extenuating circumstances relating to the academic deficiency; the letter must be received by the President no later than 9 a.m. on registration day.

DROPPING COURSES

A student desiring to drop a course after the quarter has begun must obtain a Drop-Add Notice in the Office of Student Affairs. The notice must be signed by the instructor of the course being dropped and returned by the student to the Registrar's Office.

A student who drops a course not more than seven class days after the course begins will receive the grade of "W". A student who drops a course after the first seven class days and before the last eight class days, will receive a grade of "W" or "F" depending on his status in the course. A student may not voluntarily drop a course during the last eight class days of a quarter.

WITHDRAWING FROM COLLEGE

Any student who finds it necessary to withdraw from college must begin the process in the Office of Student Affairs. A formal withdrawal is required to insure that the student is eligible to return to Armstrong State College at a future date. Any refund to which a student is entitled will be considered on the basis of the date which appears on the withdrawal form.

AUDITING

A regular student wishing to "audit" a course without receiving credit must obtain the written permission of the instructor before he registers for the course. During the registration process the student should request a special "audit" course card. (Policy for some courses forbids "auditing.") An "auditor" cannot change to regular credit status after the first week of class. A student may not change from credit status to audit status after the first seven class meetings. A student who registers for a course as an "auditor" receives no credit "N.C.", on his transcript. Regular schedules of fees apply to auditor

SYSTEM-WIDE ACHIEVEMENT TESTING PROGRAM

University System policy requires that a 10% random sample of all first-time entering freshmen and a 10% random sample of all rising juniors must take the Survey of College Achievement tests. For the purpose of this program, students shall be classified as rising juniors during the quarter following the completion of 70 quarter credit hours of academic study exclusive of credit in physical education.

HONOR SYSTEM

The Honor System at Armstrong State College provides all members of the student body with an opportunity to participate in self government. The accompanying responsibilities are outlined below.

The Honor System, written by a joint committee of faculty and students, received an overwhelming endorsement by both faculty and students during the Winter Quarter, 1965.

The ordinances of the Honor System are as follows:

All students must agree to abide by the rules and regulations of the Honor System. A student shall not be accepted at Armstrong State College unless he signs the following statement at the time of his first registration:

"I have read the regulations governing the Honor System at Armstrong State College, and I understand that, as a student at Armstrong, I must comply with all of these requirements."

This statement and all rules and regulations governing the Honor System shall be printed in the official Bulletin and the Student Handbook. The statement shall also be printed on the application form for admission to be signed by the student before admission to the College. It will be the responsibility of the Honor Council to conduct an extensive orientation program at the beginning of each quarter for all newly entering students to explain fully the requirements of the Honor System and to allow full discussion of these regulations.

I. The following shall be considered violations of the Honor Code:

A. Academic dishonesty of any kind (giving or receiving any unauthorized help on any assignment, test or paper.) At the beginning of each quarter it shall be the responsibility of each teacher to make clear what shall be considered unauthorized help in his course.

B. Stealing only when related to cheating.

C. Lying before the Honor Council.

D. Failure to report a known offense. (Lying or stealing in any other cases will be considered disciplinary, not Honor, matters.)

III. Ways of reporting a violation of the Honor Code:

A. Self-reporting: A student who has broken the Honor Code should report himself to a member of the Honor Council.

B. Anyone (faculty member or student) who is aware of a violation of the Honor Code must report the matter. This may be done in one of two ways:

1. He may tell the person thought to be guilty to report himself to a member of the Honor Council no later than the end of the next school day. After this designated time the person who is aware of the violation must inform a member of the Honor Council so that the Honor Council may contact the accused person if he has not already reported himself.

2. He may report the suspected violation directly to a member of the Honor Council without informing the accused.

IV. The Honor Council will be composed of nine students.

A. Selection shall be made by the President, Vice President, and Secretary of the Student Body, the President and the Secretary of the Honor Council, together with three faculty members appointed by the President of the College. Selection shall be based on the following requirements:

1. High moral principles and unquestioned academic integrity in all their relations to fellow students, faculty, and administrative officials.

2. A minimum of C+ for the preceding quarter and an over-all average of C+.

Any student not in good standing with the college in academic or disciplinary matters is ineligible to serve on the Honor Council. Any member of the Honor Council who falls below these requirements will be ineligible to continue his term of service. A replacement will not be selected, however, unless the total number of students on the Honor Council falls below seven.

B. The selection committee shall submit a questionnaire to those students who meet these requirements. On the basis of the questionnaires the committee has the power to appoint three seniors, three juniors, and three sophomores to serve on the Honor Council. At least three committee members shall be women and at least three shall be men. This distribution may be altered when

deemed best by the selection committee. The appointments shall be made by the second Tuesday in March, and the Council shall assume its duties on April 1.

C. The Honor Council shall elect one of its members to serve as President and one as Secretary. The President shall preside at all meetings and trials, and the Secretary shall maintain a written record of all proceedings.

D. During summer school, any member of the Honor Council who is attending summer classes will serve on the Council for the summer together with other students appointed by the Council and the Dean of Student Affairs.

V. The Honor Council shall formulate its own bylaws and procedure.

A. An Honor Council meeting shall be called by the President of the Council to examine a reported violation as soon as possible after such a report. When possible, the meeting of the Council will be held within a week of the violation.

B. At the meeting, the Honor Council will hear the accusation, the testimony of any witnesses, and any defense the accused may wish to present.

C. The accused will have the right to hear all witnesses and all evidence brought before the Honor Council.

D. Written notification of the specific charges which, if approved, shall be made grounds for suspension or dismissal from a class.

E. The accused will be considered innocent until proved guilty.

F. Every trial shall be conducted by a Council of at least seven members, including the President. In the absence of the President, the senior justice shall preside.

G. The Secretary will keep minutes of all meetings. All official testimony will be tape recorded, provided that the recording devices are under the control of the Council.

H. A vote of two-thirds majority of the members of the Honor Council present and voting will be necessary for the conviction of the accused. The Council, in the event of a verdict of guilty, shall determine the penalty by majority vote.

I. The vote will be taken by secret ballot.

VI. Post-trial Procedure.

A. Immediately upon conclusion of the trial, the accused shall be notified of the findings and of the recommendation that the Council will make to the President of the College.

B. If the accused is found innocent, he shall be notified of the finding and cautioned that the trial may be re-opened for good cause by the Council within a period of three weeks or at the request of the professor in whose course the alleged violation occurred.

C. If a person is found guilty, the Honor Council will recommend to the President of Armstrong State College one of the following:

1. Expulsion from the class and denial of credit in the course in which the violation occurred and denial of the position of any elective office.

2. Suspension from school for any number of quarters (the minimum suspension will be for the remainder of the quarter in which the violation occurs.)

3. Expulsion from school.

In cases where the accused is found guilty, the Honor Council will report in writing its recommendations to the President of the College who will make the final decision. After the President of the College has decided on the action to be taken, he will inform, in writing, the accused, the professor of the class in which the violation occurred, and the accuser of his decision. The secretary of the Honor Council will then post an official notice on the bulletin boards announcing his action without mentioning the name of the accused.

VII. Although the College feels that the above three recommendations are appropriate for academic dishonesty, it also recognizes that unique circumstances may arise. For such cases, a series of appeals is open to the convicted student. He may appeal either the conviction or the punishment or both in the following ways:

- A. To the President of Armstrong State College in a letter.

- B. The President's decision may be appealed to the Chancellor of the University System of Georgia in a letter.

- C. The Chancellor's decision may be appealed to the Board of Regents of the University System of Georgia in a letter.

VIII. Each student will be required to write on every written assignment, test, or paper a pledge that he has neither given nor received any unauthorized help on this work. This may be done by writing the word "Pledged" followed by the student's signature.

IX. The Honor System is dependent upon student cooperation and support. It is felt that every student wishes the credit for his work to be unquestioned and the college he has chosen to be respected.

X. A revision of the Honor System will require a majority vote of the faculty and of the student body.

Revisions of the Honor Code are currently under consideration. A revised code will be published in the 1971-1972 ARMSTRONG STUDENT HANDBOOK.

VII. Student Services, Activities

The Office of Student Affairs, administered by the Dean of Student Affairs, is responsible for all student services and activities. In addition to formal classroom instruction, the College recognizes the need for providing programs and services which contribute to a well-rounded college experience. Such programs are administered by the Office of Student Affairs through the following individuals: Registrar, Admissions Officer, Counselors, Director of Financial Aid, Director of Student Activities, and the Campus Nurse.

ACADEMIC ADVISEMENT

Before and during registration, members of the faculty are available to students for assistance in the selection of course work and in the scheduling of classes. Information concerning degree requirements and college regulations is provided and topics of general academic interest may be discussed.

By the end of the sophomore year, students are required to designate a major field and are assigned to a faculty adviser in that area. The faculty adviser then works closely with the student in planning a program leading to the successful completion of degree requirements. Additional information on academic advisement is given in the "Academic Regulations" section of this bulletin.

COUNSELING SERVICES

The faculty and administration of Armstrong State College recognize that students are frequently confronted with difficult and important decisions. In some instances, students need the competent assistance of professional persons who have been trained to deal with the specific problems of college students.

In light of these needs, a counselor is located in the Office of Student Affairs to help students (1) clarify educational and vocational objectives, (2) develop effective study skills and habits, and (3) deal with problems of social and emotional significance. Services are available to all students at no charge.

ORIENTATION

Orientation for freshmen is scheduled prior to registration for the Fall Quarter. The program is designed to assist students in making the transition from high school to college and to acquaint them with school policies, traditions, and procedures. The Orientation Program includes an introduction to faculty and administration; a presentation of the purposes of Armstrong State College; indoctrination concerning the college's regulations and requirements; an introduc-

tion to student leaders and student activities; a survey of the facilities of the school; and an opportunity for the student to plan a program with counselors. Attendance is required.

PLACEMENT OFFICE

The Placement Office, located in the Office of Student Affairs, assists Armstrong State College graduates in securing business and professional positions. Any senior desiring assistance in securing employment should contact this office.

CONDUCT

Every student who enrolls in a course at Armstrong State College commits himself, by the act of enrolling, to full compliance with the rules and regulations of the Honor System and Code of Conduct. The Honor System is outlined under "Academic Regulations" in the Bulletin and the Code of Conduct is published in the ARMSTRONG STUDENT HANDBOOK.

Compliance with the regulations and policies of the faculty of Armstrong State College and the Regents of the University System of Georgia is assumed. To enroll is to agree to assume responsibility for obeying and to agree to use established channels to promote change. Not to do so is sufficient basis for the college to terminate the contract.

STUDENT ACTIVITIES AND ORGANIZATIONS

In addition to an outstanding academic program, Armstrong State College offers a complete program of extra-curricular student activities designed to contribute to the development of the student and to assist him in becoming an active and productive member of the community in which he lives.

Student organizations at Armstrong State College reflect the natural variety of interests found in a diversified student body. Individuals who seek a well-rounded education will avail themselves of the varied opportunities afforded through the college program in student activities.

A variety of clubs and organizations representing varied interests and activities are available to students at Armstrong State College. These include the following:

Service:

Circle K

Alpha Phi Omega

Religious:

Wesley Foundation
Baptist Student Union

Greeks:

Alpha Gamma Delta Sorority
Sigma Kappa Sorority
Phi Mu Sorority
Chi Phi Fraternity
Phi Kappa Theta Fraternity
Pi Kappa Phi Fraternity
Pi Kappa Alpha Fraternity

Professional:

Student Nurses Association of Georgia
Future Secretaries Association
Student National Education Association
Hie Psi
American Junior Dental Hygienists Association

Interest:

Glee Club
Pep Band
Chess Club
Cheerleaders
Literary Club
Masquers
Young Democrats
Pep Club

STUDENT GOVERNMENT

The Student Government Association is the official governing body of the students at Armstrong State College. It assists in formulating a program of student services and activities, and it strives to express the will of the majority of students and to provide experience in democratic living.

All students are automatically members of the Student Government Association and are entitled to a vote in matters of concern to students. Qualified students may seek positions of leadership in the Student Government Association by running for office during the spring quarter.

STUDENT PUBLICATIONS

The two official student publications on campus are the *Inkwell* (the college newspaper) and the *Geechee* (the college annual). Both publications are produced entirely by students under the supervision of qualified members. Financed in part by the Student Activity Fund, these publications provide opportunities for students in creative writing, reporting, and design.

HEALTH

Armstrong State College maintains a campus infirmary where a registered nurse is on duty from 8:15 a.m. until 5 p.m. Students who become ill or who are involved in accidents while on campus should not hesitate to avail themselves of this service.

The college also makes available, on a voluntary basis, a student health and accident insurance policy. The cost of the policy is \$12 for a full year. Information regarding the program may be secured in the Office of Student Affairs.

DENTAL HYGIENE SERVICES

The Dental Hygiene Clinic is available to students who wish to receive free oral examinations under the supervision of a dentist and registered hygienists.

ALUMNI OFFICE

The primary purposes of the Alumni Office are to keep former students informed about the college and to help them keep in touch with each other. Any person who at any time was matriculated as a regular student is eligible for membership in the Alumni Association, and, upon payment of his dues, will receive the quarterly newsletter "The Geechee Gazette," and may vote and hold office in the Association. The Alumni Office assists in arranging class reunions, board meetings, and other functions. For further information contact the Alumni Secretary in the Office of Student Affairs.

HOUSING

Private apartments for male, female, and married students are available within walking distance of Armstrong State College. For further information regarding housing, please contact the Office of Student Affairs.

ATHLETICS

Armstrong State College participates in inter-collegiate athletic competition in basketball, baseball, and golf.

INTRAMURALS

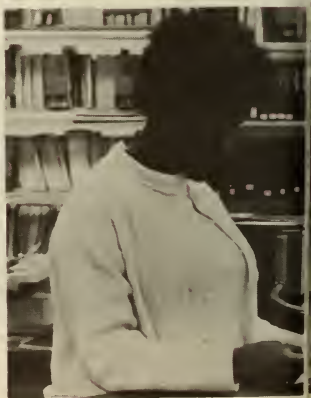
The Student Intramural Council and Intramural Department provide a diversified program available to all students and faculty, including organized competitive sports, recreational activities, and

abs. Any student interested in participating in these activities could contact the Director of Intramurals.

CULTURAL OPPORTUNITIES

Armstrong State College provides a variety of cultural opportunities for its students. Lectures by eminent scholars in the various academic fields and musical concerts by outstanding artists are an integral part of the program in general education. Student dramatic productions under professional direction and the student choral society have created distinguished traditions for these groups.





VIII. DEGREE PROGRAMS

CORE CURRICULUM

Each unit in the University System of Georgia requires as a Core Curriculum for all baccalaureate degree programs the following minimum number of quarter hours in the major areas of study:

<i>Areas of Study</i>	<i>Minimum Quarter Hours Required</i>
Humanities, including, but not limited to, grammar and composition and literature	20
I. Mathematics and the natural sciences, including but not limited to, mathematics and a 10-hour sequence of laboratory courses in the biological or physical sciences	20
II. Social Sciences, including, but not limited to, history and American government	20
V. Courses appropriate to the major field of the individual student	30
TOTAL ..	90

In addition to the University System Core Curriculum requirements as outlined above, Armstrong State College requires six quarter hours in physical education as part of all baccalaureate degree programs.

1. BACHELOR OF ARTS AND BACHELOR OF SCIENCE

For graduation with the degree of Bachelor of Arts with a major in English, French, history, music, or Social Welfare, or Bachelor of Science with a major in biology, chemistry, or mathematics, the following requirements must be completed in accordance with the regulations stated in this bulletin. Requirements for each major program are described in the appropriate departmental listing.

Requirements for the degrees of Bachelor of Arts and Bachelor of Science:

A. General Requirements (Core Curriculum)

8

1. English 121, 122, 221, 222	20
2. One Foreign Language 101, 102, 103	15
3. Music, Art, or Philosophy 201	5
4. History 114, 115	10
5. History 251 or 252*	5
6. Political Science 113*	5
7. One of the following courses:	5
Economics 201	
Psychology 101	
Sociology 201	
8. Mathematics: an approved sequence	10
9. One of the following sequences of two courses:	10
Biology 101, 102	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	

B. Courses in the Major Field ⁽¹⁾

40-7

(No student will be allowed to take senior division courses in his major field unless he has a minimum grade of C in all prerequisite courses in that field.)

C. Courses in Related Fields ⁽²⁾

15-3

D. Physical Education 111, 112, 113 and three 200-level courses

E. Free Electives ⁽⁴⁾

1

(or more to complete a minimum of 185 quarter hours, exclusive of physical education)

*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see "Academic Regulations" section), the ten quarter hours shall be allotted to electives.

⁽¹⁾ For its major program a department may not require more than 60 quarter hours at all levels in the major field, but it may recommend up to 70 quarter hours.

⁽²⁾ For its major program a department will require from 15 to 30 quarter hours of specific courses or approved elective courses in related fields, and language courses reaching the degree of proficiency specified by the department. (If a course is counted as fulfilling the General Requirements, it will not also fulfill the requirement for "Courses in Related Fields.") Total requirements for B and C may not exceed 85 quarter hours.

⁽⁴⁾ For the B.A. and B.S. degrees a minimum of 185 quarter hours, exclusive of physical education, is required for graduation.

11. TEACHER EDUCATION

The standard credential for teaching in the public schools of Georgia is the Teacher's Professional Four-Year Certificate (T-4). To qualify for this certificate, one must have completed an approved program designed for a specific teaching field and be recommended by the college in which the program was completed. Armstrong State College offers the following approved teacher education programs:

CERTIFICATION PROGRAMS

Elementary Education (Grades 1-8)

Speech Correction

Secondary Programs (Grades 7-12)

Business Education

English

Mathematics

Science (Biology)

Science (Chemistry)

Social Studies (History)

Social Studies (Political Science)

All students completing teacher education programs are required to take both the Common Examinations and the appropriate Teaching Area Examination of the National Teacher Examinations. Students must submit the scores from these examinations or evidence that the examinations have been completed to the Department of Education before they can be recommended for a teaching certificate. Additional information about the National Teacher Examinations can be secured from the Office of the Dean of Student Affairs.

Teacher Library Service Endorsement

This program may constitute an area of concentration for elementary teachers and an endorsement on the certification of secondary teachers. The program is also intended to create interest in librarianship. The courses are as follows:

Library Science 310, 320, 410, 420

20 Q.H.

ACADEMIC ADVISEMENT

A student who desires to become an elementary or secondary school teacher should apply during the first quarter of residence to the Department of Education for academic advisement. He should follow without deviation the approved program designed for his preparation and for meeting the requirements for the certificate to

teach. Upon admission to teacher education, students will be assigned advisors as follows:

1. Elementary education majors are assigned an advisor in the Department of Education who will assist the student in planning the total program of studies.
2. Students pursuing secondary teaching programs will be assigned an advisor in the Department of Education to assist them concerning the professional sequence courses and certification requirements. In addition, students will have an advisor in the teaching field major to approve the courses of the teaching field. Assignment of the teaching field advisor will be made by the head of the academic department offering the major. Each student must have his secondary teaching program approved in advance by both advisors. Special forms for this purpose are to be filed with each advisor and a copy given to the student.

ADMISSION TO TEACHER EDUCATION

All students pursuing a degree program leading toward certification by the Georgia State Department of Education as a teacher must apply for admission to teacher education at Armstrong State College. This application will normally be filed during the third quarter of the sophomore year or, for transfer students, in the first quarter of the junior year. Application forms may be secured from the office of the Head of the Department of Education. The following criteria are used in admitting applicants to teacher education:

- (1) Completion of at least 75 quarter hours of college credit with a "C" average and completion of Education 203 with a "C" or better.
- (2) Competence in oral and written expression.
- (3) Satisfactory physical and emotional health.
- (4) Indication of desirable attitude, character, and teaching potential.

SEPTEMBER PRACTICUM

The purpose of the September Practicum is to provide an opportunity for future teachers (1) to learn what teachers do at the beginning of a new school term, (2) to participate in experiences that will assist the prospective teacher with future decisions concerning teaching as a career, and (3) to become acquainted with the organization and curriculum of a particular school.

The September Practicum occurs during the first two weeks of the public school term (usually in late August and early September) and should be scheduled during the student's junior or senior year. No credit is given for the September Practicum, but it is a *requirement* in all of the teaching fields in the Armstrong State College Teacher Education Program.

Application for the September Practicum should be made during the first week of the Spring Quarter for a September Practicum in the forthcoming September. The student should contact the Director of Professional Laboratory Experiences in the Department of Education.

STUDENT TEACHING

Student Teaching, the culminating activity of the professional sequence, is provided in selected off-campus public school centers. The full quarter of student teaching is arranged cooperatively by the college, the participating schools, and supervising teachers. Completed applications for admission to student teaching must be submitted to the Director of Professional Laboratory Experiences during the first week of the quarter preceding student teaching. While student teaching, the student is required to adhere to established policies and procedures of the cooperating school system in addition to those policies and procedures established by the college and the Department of Education.

A student is admitted to student teaching at the time assignment is made. While student preferences and other personal circumstances are considered, the Department of Education reserves the right to exercise its discretion in placement. The student will receive a letter of assignment. Orientation to student teaching will be held during the first several days of the quarter in which student teaching is scheduled. The following requirements must be met before a student can enroll in student teaching:

- (1) Be admitted to the Teacher Education Program.
- (2) Have at least senior status.
- (3) Have completed the required professional sequence courses with a grade of "C" or higher. Elementary majors must make a grade of "C" or higher on all specialized content courses.
- (4) Have a "C" average at Armstrong State College on all courses attempted, and a "C" or higher on all courses acceptable toward the teaching field or concentration.
- (5) Have satisfactorily completed the related professional laboratory experiences including the "September Practicum."
- (6) Be recommended by two (2) academic professors and two (2) members of the Department of Education.

- (7) Be approved by the Head of the Department of Education.
- (8) Have successfully completed at least four of the specialized content courses, including Education 425 (The Teaching of Reading).

A student will not be permitted to take additional courses during student teaching or to hold any form of employment. Student teachers are not permitted to teach in a school in which their children are enrolled.

PROGRAMS OF STUDY

Bachelor of Science in Education: Speech Correction

Quarter Hours

A. General Requirements 91

1. Humanities: 30 quarter hours

Art 200, Music 200, or Philosophy 201	5
English 121, 122, 221, 222	20
Speech 228	5
2. Social Sciences: 30 quarter hours

History 114, 115, 251*, 252*	20
Political Science 113*	5
Psychology 101	5
3. Science: 25 quarter hours

Biology 101, 102	10
Chemistry 121, 122, or Physics 211, 212	10
Mathematics 190	5
4. Physical Education: 6 quarter hours

Physical Education 111, 112, 113, 204	4
Two 200-level courses	2

B. Speech Correction Teaching Field 50

1. Normal Speech Development: 25 quarter hours

Special Education 315, 320, 325, 330, 335	
---	--
2. Speech Deviations and Language Problems: 25 quarter hours

Special Education 310, 410, 415, 420, 445	
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C. Related Course: Psychology 312 5

*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see "Academic Regulations" section), the ten quarter hours shall be allotted to electives.

Psychology 301	5
Education 203, 301, 425, 437, 446, 447, 448	35
Special Education 305	5

 TOTAL .. 191

Bachelor of Science in Elementary Education

Quarter Hours

A. General Requirements 96

1. Humanities: 30 quarter hours

Art 200, Music 200, or Philosophy 201	5
English 121, 122, 221, 222	20
Speech 228	5

2. Social Sciences: 35 quarter hours

Geography 111	5
History 114, 115, 251*, 252*	20
Political Science 113*	5
Psychology 101	5

3. Science: 25 quarter hours

Biology 101, 102	10
Chemistry 121, 122, or Physics 211, 212	10
Mathematics 190	5

4. Physical Education: 6 quarter hours

Physical Education 111, 112, 113, 204	4
Two 200-level courses	2

B. Electives 25

1. Approved electives to establish added proficiency in one area of concentration chosen to correspond to the elementary curriculum: art, English, mathematics, modern foreign languages, music, sciences, social sciences, or teacher library service 20
2. Approved elective in related field 5

*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see "Academic Regulations" section), the ten quarter hours shall be allotted to electives.

C. Specialized Content Courses

30

- | | |
|-----------------------------------|----|
| 1. Education 425 | 5 |
| 2. Five of the following courses: | 25 |
| Art 320 | |
| Education 434 | |
| English 331 | |
| Mathematics 391 | |
| Music 320 | |
| Physical Education 320 | |

D. Professional Sequence Courses

40

- | | |
|---|----|
| Psychology 301 | 5 |
| Education 203, 301, 435, 436, 446, 447, 448 | 35 |

TOTAL .. 191

Program for Secondary School Teachers
of Business Education

Quarter Hours

A. General Requirements

100

- | | |
|--|----|
| 1. English 121, 122, 221, 222 | 20 |
| 2. Speech 228 | 5 |
| 3. History 114, 115 | 10 |
| 4. Economics 201, 202 | 10 |
| 5. Political Science 113* | 5 |
| 6. Mathematics 190, 195, 220 | 15 |
| 7. One of the following two-course sequences: | 10 |
| Biology 101, 102 | |
| Chemistry 121, 122 | |
| Chemistry 128, 129 | |
| Physics 211, 212 | |
| Physics 217, 218 | |
| 8. Psychology 101, plus four of the following courses: | 25 |
| Economics 326 | |
| History 251* or 252* | |
| Psychology 305 | |
| Sociology 201 | |
| Music 200, Art 200, or Philosophy 201 | |

B. Courses in Business Education	23-28
B. E. 104, Beginning Typewriting	2
B. E. 105, Intermediate Typewriting	2
B. E. 106, Advanced Typewriting	2
B. E. 111, Beginning Gregg Shorthand	3
B. E. 112, Intermediate Gregg Shorthand	3
B. E. 113, Advanced Gregg Shorthand	3
B. E. 212, Office Machines	3
B. E. 213, Office Procedures	5
B. A. 315, Business Communications	5
(B. E. 104 and 111 are often exempted. See course descriptions.)	
C. Courses in Business Administration	25
B. A. 211, 212	10
Three of the following courses:	15
B. A. 307, Business Law I	
B. A. 340, Principles of Marketing	
B. A. 360, Principles of Management	
B. A. 375, Personnel Administration	
Econ. 327, Money and Banking	
Econ. 331, Labor and Industrial Relations	
Econ. 335, Public Finance	
D. Physical Education	6
Physical Education 111, 112, 113, 204	4
Two 200-level courses	2
E. Professional Sequence	35
Education 203, 437, 438, 446, 447, 448	30
Psychology 301	5

TOTAL .. 191-194

*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see "Academic Regulations" section), the ten quarter hours shall be allotted to electives.

A. General Requirements

1. English 121, 122, 221, 222	20
2. One Foreign Language	20
3. Art 200 or Music 200	5
4. History 114, 115	10
5. History 251* or 252*	5
6. Psychology 101 and Political Science 113*	10
7. Freshman Mathematics	10
8. One of the following two-course sequences:	10
Biology 101, 102	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	

B. Courses in Major Field

Students must complete the requirements for a major in E including English 325. Five hours of the Related requirement must be Speech 228 or Speech 341.

C. Related Fields

Four of the following courses:

- Education 425
- Fine Arts (200-level or above)
- Foreign Language (200-level or above)
- History 251 or 252, 341, 348, 350, 354
- Speech 228, 341, 345
- Philosophy 201

*If one of these history courses and this political science course are exempt examination in order to meet the state requirement for graduation, the ten hours shall be allotted to electives.

D. Physical Education	6
Physical Education 111, 112, 113, 204	4
Two 200-level courses	2
E. Professional Sequence	30
Education 203, 437, 446, 447, 448	25
Psychology 301	5
TOTAL ..	191

Program for Secondary School Teachers of Mathematics

A. General Requirements	90
1. English 121, 122, 221, 222	20
2. One Foreign Language	15
3. Art 200, Music 200, or Philosophy 201	5
4. History 114, 115	10
5. History 251* or 252*	5
6. Psychology 101 and one of the following: Economics 201 Political Science 113* Sociology 201	10
7. Mathematics 101, 102	10
8. One of the following two-course sequences: Biology 101, 102 Chemistry 128, 129 Physics 212, 218	10
9. Speech 228	5

If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see "Academic Regulations" section), the ten quarter hours shall be allotted to electives.

B. Courses in Major Field

Students must complete the 50-quarter-hour requirement for major in mathematics. See departmental listing for specific course requirements.

C. Related Fields (beyond Core Curriculum)

D. Physical Education

Physical Education 111, 112, 113, 204	4
Two 200-level courses	2

E. Professional Sequence

Education 203, 441, 446, 447, 448	25
Psychology 301	5

TOTAL .. 15

Program for Secondary School Teachers of Science
with a Major in Biology

A. General Requirements

1. English 121, 122, 221, 222	20
2. One Foreign Language	15
3. Art 200, Music 200, or Philosophy 201	5
4. History 114, 115	10
5. History 251* or 252*	5
6. Psychology 101 and one of the following courses: Economics 201 Political Science 113* Sociology 201	10
7. Mathematics 190, 195 or Mathematics 101, 102	10
8. The following courses: Biology 101, 102 Botany 203 or Zoology 204	15

*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see "Academic Regulations" section), the ten quarter hours shall be allotted to electives.

B. Courses in Major Field	40
Students must complete the requirements for a major in biology including Biology 370, 380; Botany 380 or Zoology 390.	
C. Courses in Other Sciences	35
Chemistry 128, 129, 341, 342, 343	25
Physics 211, 212	10
D. Physical Education	6
Physical Education 111, 112, 113, 204	4
Two 200-level courses	2
E. Professional Sequence	30
Education 203, 437, 446, 447, 448	25
Psychology 301	5
TOTAL ..	201

PROGRAM FOR SECONDARY SCHOOL TEACHERS
OF SCIENCE WITH A MAJOR IN CHEMISTRY

A. General Requirements	90
1. English 121, 122, 221, 222	20
2. One Foreign Language	15
3. Art 200, Music 200, or Philosophy 201	5
4. History 114, 115	10
5. History 251* or 252*	5
6. Psychology 101 and one of the following courses:	10
Economics 201	
Political Science 113*	
Sociology 201	

If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see "Academic Regulations" section), the ten quarter hours shall be allotted to electives.

7. Freshman Mathematics and Mathematics 104	15
8. Chemistry 128, 129	10
B. Courses in Major Field	
Chemistry 281, 282	10
Chemistry 341, 342, 343	15
Chemistry 491, 492, 493	12
Chemistry 480	5
Chemistry Electives	8
C. Courses in Other Sciences	
Biology 101, 102	10
Physics	15
D. Physical Education	
Physical Education 111, 112, 113, 204	4
Two 200-level courses	2
E. Professional Sequence	
Education 203, 437, 446, 447, 448	25
Psychology 301	5
TOTAL .	

PROGRAM FOR SECONDARY SCHOOL TEACHERS
OF SOCIAL SCIENCE
(HISTORY OR POLITICAL SCIENCE)

Quarter H

A. General Requirements	
1. English 121, 122, 221, 222	20
2. One Foreign Language	15
3. Music 200, Art 200, or Philosophy 201	5
4. History 114, 115	10
5. History 251* or 252*	5
6. Political Science 113* and Psychology 101	10

*If one of these history courses and this political science course are exempted from examination in order to meet the state requirement for graduation (see "Acad Regulations" section), the ten quarter hours shall be allotted to electives.

7. Freshman Mathematics	10
8. One of the following two-course sequences:	10
Biology 101, 102	
Chemistry 121, 122	
Chemistry 128, 129	
Physics 211, 212	
Physics 217, 218	
9. Courses in Major Field (History or Political Science)	40
1. A student majoring in history must take History 300, American History (15 quarter hours including History 251, 252), European History (10 quarter hours), and Far Eastern History (10 quarter hours). Supporting work must include courses in at least three of the following fields: political science, economics, sociology, geography, and anthropology. 2. A student majoring in political science must complete the requirements for a major in political science and must include in his program courses in American constitutional development, comparative government, political theory, and international relations. Supporting work must include History 251 or 252 and at least one other advanced history course and at least two of the following fields: economics, sociology, geography, and anthropology.	
10. Courses in Other Social Sciences	30
Excluding his major field (history or political science), the student will select 30 quarter hours from three of the following groups of social science courses: 1. History 251 or 252 and one additional advanced course 10 2. Political Science 200 and one of the following: Political Science 307, 308, 319, or 332 10 3. Economics 201 and one of the following: Economics 326, 331, or 345 10 4. Sociology 201 and 350 10 5. Geography and/or Anthropology 10	

D. Physical Education

Physical Education 111, 112, 113, 204	4
Two 200-level courses	2

E. Professional Sequence

Education 203, 440, 446, 447, 448	25
Psychology 301	5

TOTAL .. 19

III. BACHELOR OF BUSINESS ADMINISTRATION

For graduation with the degree of Bachelor of Business Administration with a major in accounting, economics, finance, or management-marketing, the following requirements must be completed in accordance with the regulations stated in this bulletin. For major concentrations, see requirements described under Department of Business Administration. For graduation with the degree of Bachelor of Business Administration, the minimum requirements in the various fields of study are:

Quarter Hours

A. Humanities

1. English 121, 122, 221, 222	20
2. Music, Art, or Philosophy 201	5

B. Social Sciences

1. History 114, 115	10
2. Economics 201, 202	10
3. Political Science 113*	5

C. Mathematics and Natural Science

1. Mathematics 190, 195, 220	15
2. Laboratory Science Sequence	10

D. Courses in Business Administration

15

- 1. B. A. 211, 212 10
- 2. B. A. 200 or 205 5

(B. A. 200 is not open to upper-division business majors who have taken 300-level courses in business or economics.)

E. Physical Education

6

Total Freshman-Sophomore Hours .. 96

F. Approved Electives from Humanities, Social Sciences, or Mathematics 30

History 251* or 252* must be included. Psychology 101, Sociology 201, and Speech 228 are recommended. At least 15 quarter hours must be numbered 200 or above. Not more than 10 quarter hours may be in business administration courses.

G. Business Core Requirements

35

- B. A. 307, Business Law
- B. A. 320, Business Finance
- B. A. 340, Principles of Marketing
- B. A. 360, Principles of Management
- Econ. 311, Quantitative Methods
- Econ. 327, Money and Banking

One of the following:

- Econ. 331, Labor and Industrial Relations
- Econ. 335, Public Finance
- Econ. 405, Government and Business

(Economics majors may select any approved combination from the business core and the major concentration courses.)

I. Major Concentration

30

(See departmental requirements.)

TOTAL .. 191

If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see "Academic regulations" section), the ten quarter hours shall be allotted to electives.

TWO-YEAR SECRETARIAL PROGRAM

This program is designed to meet the needs of students who wish to qualify for secretarial positions after two years of study. Students enroll in the Associate in Arts degree program (listed elsewhere in this bulletin) and take the 30 hours of elective credits in business education courses as needed. The Associate in Arts degree is awarded after the program is completed. Electives under this program should be selected from the following courses:

Business Education 104, 105, 106	Quarter Hours
Business Education 111, 112, 113	4-
Business Education 212	6-
Business Education 213	
Business Administration 211	
Business Administration 315	

Students who have earned high school credit in a one-year course in typewriting and/or Gregg shorthand (or the college equivalent one quarter or one semester) may not take for credit the beginning course in the subject in which this previous credit has been earned (B. E. 104, B. E. 111). These students should begin the typewriting and/or shorthand sequence with the intermediate course in that subject.

IV. BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

The Coordinator of this degree program is Dr. L. B. Davenport, Jr., Head of the Department of Biology. Armstrong State College cooperates with Memorial Hospital of Chatham County in awarding a Bachelor of Science Degree in Medical Technology. This program has been approved by the Council on Medical Education of the American Medical Association and by the Board of Schools of Medical Technology of the American Society of Clinical Pathologists. The student must successfully complete the following courses:

1. English 121, 122, 221, 222	Quarter Hours
2. History 251* or 252*	2
3. Political Science 113*	
4. History 114, 115	1
5. Mathematics 101-102 or Mathematics 190-195	1
6. Foreign Language (15 quarter hours or 10 quarter hours plus elective)	1

7. Psychology 101, Sociology 201	10
8. Physics 211, 212	10
9. Chemistry 128-129, 281-282, 341-342	30
10. Biology 101, 102; Zoology 204, 356	20
11. Biology 351, Zoology 372	10
12. One Course from the following:	5
Entomology 301; Zoology 357; Zoology 390	
13. Physical Education	6

TOTAL .. 156

After satisfactorily completing the required number of courses and hours listed above, the degree candidate must complete 12 months in Clinical Medical Technology at an approved hospital. With the completion of this work and satisfactorily passing the examination given by the Registry of Medical Technologists, the student will be awarded the degree of Bachelor of Science.

V. BACHELOR OF ARTS IN SOCIAL WELFARE

Armstrong State College offers a four-year program leading to a Bachelor of Arts degree in Social Welfare which is designed to prepare students to assume positions in various social service agencies. Requirements for this degree are described in the departmental listing for the Department of Psychology and Sociology.

VI. NURSING

ASSOCIATE IN ARTS IN NURSING

For the two-year program leading to the Associate in Arts degree in Nursing, the student must complete the curriculum of 48 quarter hours in academic courses and 52 quarter hours of professional clinical courses as listed under the Department of Allied Health Services. This program provides the student with the opportunity to obtain a general education and to study nursing at the college level. Graduates are eligible for licensure to practice as registered nurses. The curriculum is approved by the Georgia State Board of Nursing Examiners and is fully accredited by the National League for Nursing.

BACHELOR OF SCIENCE IN HEALTH CARE ADMINISTRATION

Armstrong State College offers an upper division undergraduate curriculum in nursing leading to the Bachelor of Science degree in

Health Care Administration for graduate registered nurses from associate degree or diploma nursing programs. The program is planned to build on the student's previously acquired professional knowledge and experience and is designed to prepare registered nurses for first-level leadership positions in nursing. Additional information relating to this degree program appears under the listing for the Department of Allied Health Services.

VII. DENTAL HYGIENE

ASSOCIATE IN SCIENCE IN DENTAL HYGIENE

For the two-year (seven quarters) program leading to the Associate in Science degree in Dental Hygiene, the student must complete a curriculum of 58 quarter hours in academic courses and 55 quarter hours in professional dental hygiene courses. The purpose of this program is to provide trained personnel in a rapidly growing and important health profession. Dental hygienists provide dental health services in private dental offices, civil service positions, industry, and in various public health fields. They practice under the supervision of a dentist and must pass a state board examination for licensure.

BACHELOR OF SCIENCE IN DENTAL HYGIENE EDUCATION

A Bachelor of Science degree in Dental Hygiene Education can be earned by an additional two years (six quarters) of study. This curriculum of 90 quarter hours is designed to prepare dental hygienists for careers in teaching in schools of dental hygiene.

VIII. CRIMINAL JUSTICE

Armstrong State College provides professional education to prepare students for careers in many areas in the administration of criminal justice. A strong liberal arts emphasis has been developed within the criminal justice program, enabling the student to prepare for new and demanding requirements in his profession. Specific courses in criminal justice are open to all students as electives. Students who plan to follow careers in social work, law, journalism, or special education may find courses in the criminal justice area both interesting and useful. Non-majors should consult with their faculty advisors before electing these courses.

ASSOCIATE IN SCIENCE IN CRIMINAL JUSTICE

The curriculum for this program has been designed to lead to a two-year terminal degree, the Associate in Science in Criminal Justice, or to serve as the basic preparation for an upper two-year curriculum leading to the Bachelor of Science degree in Criminal Justice. For course requirements, see listing under the Department of Criminal Justice.

BACHELOR OF SCIENCE IN CRIMINAL JUSTICE

Armstrong State College and Savannah State College cooperate in the offering of a baccalaureate degree program in the criminal justice area. Both colleges award the baccalaureate degree in criminal justice with students at each institution enrolling for classes at both institutions. The coordinator for the program is the Head of the Department at Armstrong State College. A student enrolling in this program at either institution should work closely with both the program coordinator and with his on-campus faculty advisor.

The four-year curriculum for this degree program has been designed to provide the broadest possible liberal arts and professional training for students who are planning careers in the criminal justice area. The student who has earned the Associate in Science degree in Criminal Justice may transfer to the baccalaureate program with a minimum of difficulty. For specific course requirements, see listing under the Department of Criminal Justice.

IX. ASSOCIATE IN ARTS

For the two-year degree of Associate in Arts, a student must complete the last 45 quarter hours of course-work in this program at Armstrong State College. The program is designed to provide a substantial liberal education as a base for upper-division specialization.

	<i>Quarter Hours</i>
1. English 121, 122, 221, 222	20
2. History 114, 115	10
3. One of the following two-course sequences:	10
Biology 101, 102	
Chemistry 111, 112	
Chemistry 121, 122	
Physics 211, 212	
Physics 217, 218	

4. Mathematics	190	5
5. Two of the following courses:		10
Economics	201	
Political Science	113*	
Psychology	101	
Sociology	201	
History	251* or 252*	
6. One of the following courses:		5
Art	200	
Music	200	
Philosophy	201	
7. Physical Education	111, 112, 113, and	6
two 200-level courses		30
8. Electives		
TOTAL ..		96

(If a student plans to continue work in the future toward a baccalaureate degree, he should select courses that will meet the listed requirements of the baccalaureate degree program.)

*If one of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation (see "Academic Regulations" section), the ten quarter hours shall be allotted to electives.



COMPLETE LIST OF MAJOR PROGRAMS—FOUR YEAR AND TWO YEAR DEGREES

1. Bachelor of Arts with a major in English.
2. Bachelor of Arts with a major in English and requirements for secondary certification.
3. Bachelor of Arts with a major in History.
4. Bachelor of Arts with a major in History and requirements for secondary certification.
5. Bachelor of Arts with a major in Political Science.
6. Bachelor of Arts with a major in Psychology.
7. Bachelor of Arts with a major in Music.
8. Bachelor of Science with a major in Biology.
9. Bachelor of Science with a major in Biology and requirements for secondary certification.
10. Bachelor of Science with a major in Chemistry.
11. Bachelor of Science with a major in Chemistry and requirements for secondary certification.
12. Bachelor of Science with a major in Mathematics.
13. Bachelor of Science with a major in Mathematics and requirements for secondary certification.
14. Bachelor of Science in Elementary Education.
15. Bachelor of Business Administration with a major in Accounting.
16. Bachelor of Business Administration with a major in Economics.
17. Bachelor of Business Administration with a major in Management-Marketing.
18. Bachelor of Business Administration with a major in Business Education.
19. Bachelor of Science in Medical Technology.
20. Associate in Arts.
21. Associate in Arts in Nursing.
22. Associate in Science in Dental Hygiene.
23. Bachelor of Science in Dental Hygiene Education.
24. Associate in Science in Criminal Justice.
25. Bachelor of Science in Education with a major in Speech Correction.
26. Bachelor of Arts with a major in French.
27. Bachelor of Arts in Social Welfare.
28. Bachelor of Business Administration with a major in Finance.
29. Bachelor of Science in Health Care Administration.
30. Bachelor of Science in Criminal Justice.

IX. Departmental Course Offerings and Requirements For Majors

P

Anthropology	
Art	
Biology	
Botany	
Business Administration	
Business Education	
Chemistry	
Criminal Justice	
Comparative Literature	
Dental Hygiene	
Economics	
Education	
Engineering Graphics	
English	
Entomology	
French	
Geography	
German	
Health	
Hebrew	
History	
Journalism	
Library Science	
Mathematics	
Music	
Nursing	
Nutrition	
Philosophy	
Physical Education	
Physical Science	
Physics	
Political Science	
Psychology	
Social Welfare	
Sociology	
Spanish	
Special Education (Speech Correction)	
Speech	
Zoology	

Armstrong State College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and faculty warrant.

No credit will be given in beginning courses in languages where the same or similar courses have been presented for admission from high school.

After each course name, there are three numbers in parenthesis. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory; and the third, the number of quarter hours of credit the course carries. For example: Biology 101 - General Biology (4-3-5).

Courses numbered 100 to 199 are generally planned for the freshman level; courses numbered 200 to 299, for the sophomore level; courses numbered 300 to 399 for the junior level; courses numbered 400-499, for the senior level.

DEPARTMENT OF ALLIED HEALTH SERVICES

NURSING

Associate Professor Doris Bates, R.N., Director; Assistant Professor Rose Marie Blase, R.N., Assistant Director; Assistant Professor Anne Mayer, R.N.; Instructors Jane Preston, R.N., Mary Miller, R.N., Carol Sutton, R.N., Dorothy Bell, R.N., Carola Keller, R.N.

ASSOCIATE IN ARTS IN NURSING

The Associate in Arts Degree Program in Nursing provides the student with the opportunity to obtain a general education and to study nursing at the college level. Graduates are eligible to take the State Examination for licensure to practice as registered nurses.

The nursing educational program is developed by proceeding from simple to complex situations in nursing which evolve from the fundamental needs of individuals throughout the human life cycle.

Student nurses participate in nursing laboratory experiences at Memorial Medical Center, Candler General Hospital Complex, St.

Joseph's Hospital, and other community agencies. Students are assigned to the clinical area and are responsible for providing their own transportation.

Students who enroll in this program have opportunities for personal, intellectual, and socio-ethical development, as well as having the personal satisfaction of becoming a member of a professional group which has unlimited opportunities after graduation.

FRESHMAN COURSE		SOPHOMORE COURSE	
	QTR. HRS.		QTR. HRS.
English 121	5	Political Science 113*	5
Physical Science		Nursing 201	8
108, 109, 110	15	History 251* or 252*	5
Nursing 101	6	Nursing 202	8
Psychology 101	5	P.E. 208	1
Nursing 102	6	General elective	5
Psychology 301 or 305	5	Nursing 203	10
Nursing 103	8	P.E. 113	1
Nutrition 105	5	P.E. 204	1
Nursing 104	8	Sociology 201	5
	63		49

*If one of these history courses and this political science course are exempted by examination in order to meet the state requirements for graduation, the ten quarter hours shall be allotted to electives.

Course Offerings - Freshman

NURSING 101 -Fundamentals of Nursing I and NURSING 101L Selected Laboratory Experiences. (5-3-6). Fall Quarter.

The underlying philosophy of this introductory course is that the logical approach to the care of the sick is through a developmental path based on a patient's typical day. Sound principles of professional ethics and the historical development of the nursing profession are correlated. Students are given opportunity to develop beginning nursing skills, to understand and apply basic principles and to identify nursing care needs of individual patients. Clinical experience in community hospitals is given under supervision.

NURSING 102 -Fundamentals of Nursing II and Selected Laboratory Experiences. (4-6-6). Winter Quarter. Prerequisite: Nursing 101.

This course is a continuation of Fundamentals of Nursing. The students develop more complicated nursing skills and an awareness of the inter-relatedness of medical-surgical nursing problems, and the sociological, physiological, and psychological needs of the patients. The problem-solving technique is introduced. Selected Nursing Practice is provided in applying the principles of comprehensive nursing care to patients in the hospital.

NURSING 103-104 -Nursing in Maternal and Child Health I and II and Selected Laboratory Experiences. (5-9-8) (5-9-8). Spring and Summer Quarters. Prerequisite: Nursing 102.

In the Maternal and Child Health Nursing sequence the framework of knowledge, needed for the study of the nursing needs of the individual and family which will be developed through the curriculum, is established. The course is designed to assist the student in the application of appropriate nursing principles, beginning with conception, the prenatal period, labor and delivery, the care and development of the newborn, the infant, and child, and the effect of illness during the growing years from birth to adolescence. Laboratory experience is planned selectively and utilizes agencies and facilities concerned with mothers, babies, children, and their families.

NUTRITION 105 - Fundamentals of Nutrition. (5-0-5). Winter quarter.

A survey of the fundamentals of nutrition and the factors influencing the ability of the individual and family to secure and maintain optimal nutritional status.

Course Offerings - Sophomore

NURSING 201-202 -Nursing in Physical and Mental Illness I and II and Selected Laboratory Experiences. (5-9-8) (5-9-8). Fall and Winter Quarters. Prerequisite: Nursing 104.

The physical and mental illness sequence is an integrated study of the typical emotional and physical problems interrupting the human life cycle from adolescence, through middle age, to senescence and death. Laboratory experiences in community agencies and hospital facilities are provided each student to reinforce theoretical learning.

NURSING 203 -Advanced Nursing Problems and Selected Laboratory Experiences. (5-15-10). Spring Quarter. Prerequisite: Nursing 202.

This course is a continuation of Nursing 201 and 202. Content is correlated to strengthen knowledge and skills needed by the present entry beginning nurse in giving physical care and psychological sup-

port to patients. Current trends in nursing are explored, as well as responsibilities, both legal and professional. Laboratory experiences are designed to enhance breadth and depth of knowledge in selected clinical areas.

BACHELOR OF SCIENCE IN HEALTH CARE ADMINISTRATION

ADMISSION

To be eligible for admission to the program, an applicant must have graduated from a state approved school of nursing (either an associate degree or diploma), have passed the state board licensing examination for registered nurses and have at least one year of professional nursing experience. Students without previous college credit desiring admission to the program must attain satisfactory scores on the Scholastic Aptitude Test as required by Armstrong State College and provide proof of high school graduation or GE equivalency.

Those applicants who have not been actively employed in nursing during the past ten years will be required to take the N.L.N. comprehensive examinations and achieve a satisfactory score in order to receive credit for prior nursing education.

The credits earned by a graduate of an accredited associate degree nursing program conducted by a legally constituted degree granting institution will transfer entirely.

The number of credits allowed a diploma school graduate will be determined by an evaluation of the applicant's school of nursing transcript based on criteria developed for the program. The maximum number of credit hours allowed for work taken in a diploma school of nursing is 84 credit hours.

Credits transferred to Armstrong State College from non-degree granting agencies will be accepted on a quarter hour basis, but will not influence the cumulative grade point average at graduation.

To qualify for the baccalaureate degree, all students must earn from Armstrong the last 45 quarter hours of credit applicable toward the degree.

CURRICULUM

GENERAL EDUCATION

	Qtr. Hrs.
English 122	5
Math (any 5 qtr. hr. course)	5
Business Administration 200	5
Economics 201-202	10
Business Administration 205	5
Business Administration 211	5
Business Administration 212	5
Business Administration 307	5
Economics 331	5
Business Administration 360	5
Business Administration 375	5
Business Administration 462	5
Physical Education	3
	68

NURSING

	Qtr. Hrs.
Nursing 401	5
Nursing 402	5
Nursing 403	5
Nursing 404	5
Nursing 405	5
	25

Total in two academic years- 93

Course Offerings

NURSING 401 -Introduction to Public Health Nursing. (5 credit hours). Offered on Demand.

Introduction to the concepts basic to public health, including the history of the public health movement, epidemiology, environmental control, vital statistics, community planning and organization and the development of public health programs. Emphasis will be placed on selecting nursing action and planning for continuity and extension of patient care through cooperative hospital and public health coordination.

NURSING 402 -Community Health Resources -Field Experience. (5 credit hours). Offered on Demand. Prerequisite: Nursing 401.

Observations and carefully guided practice not only in giving total family health service to a selected group of patients in varied community settings but also in using community resources effectively in planning for post hospital continuity of patient care. A car will be necessary.

NURSING 403 -Principles of Unit Management. (5 credit hours). Offered on Demand.

The activities, problems and procedures of administration in a hospital or related health agency. Study of the place of nursing ser-

vice in the total agency operation, interdepartmental relationship, the role of a unit manager in planning, providing and evaluating nursing care.

NURSING 404 -Community Health Administration-Field Experience (Unit Management). (5 credit hours). Offered on Demand. Prerequisite: Nursing 403.

Selected observations and experiences in hospitals and related health agencies as a means of developing an understanding of the responsibilities and functions of a unit manager. Techniques and methods of supervision as utilized in today's health care facilities will be covered. (Selection and supervision of these experiences and follow-up conferences will be the responsibility of the course instructor.)

NURSING 405 -Independent Study. (5 credit hours). Offered on Demand. Prerequisite: Nursing 404.

Individual independent study consisting of the development of nursing hypotheses pertaining to complex nursing problems, analyses based on study of the literature in order to determine principles and solutions in an area of major interest to the student and related to her nursing career objectives. Academic instruction and laboratory experiences are qualitatively selected to meet the learning needs of students.

DENTAL HYGIENE

Associate Professor Doris Bates, R.D.H., Director; Assistant Professor Robert I. Phillips, D.M.D., Supervising Dentist; Instructor Deal, R.D.H., Brooks, R.D.H., Groover, R.D.H.

ASSOCIATE IN SCIENCE IN DENTAL HYGIENE

The curriculum in dental hygiene at Armstrong State College was established in the fall of 1968.

The purpose was and is to meet the ever-increasing need for young women educated in this rapidly growing and important health profession. Dental hygienists are in demand to provide dental health services in private dental offices, civil service positions, school programs, and various public health fields. They practice under the supervision of a dentist and must pass a state board examination for licensure.

Admission to this two-year program is limited to 30 in each class. Students enroll in the fall of each year.

Application for admission should be completed by June 1 for the fall quarter, including a transcript of course work up to that date. A complete transcript shall be submitted as soon as possible thereafter.

GENERAL EDUCATION

	Qtr. Hrs.
Physical Science 108,	
109, 110	15
Nutrition 105	5
Psychology 101	5
English 121	5
Sociology 201	5
Political Science 113	5
Health 107	5
Speech 228	5
History 251 or 252	5
*P. E. 204	1
P. E. Electives	2

58

DENTAL HYGIENE EDUCATION

	Qtr. Hrs.
Dental Hygiene 101	
and 102	5-3
Dental Hygiene 103	1
Dental Hygiene 104	
and 105	3-2
Dental Hygiene 106	2
Dental Hygiene 107	2
Dental Hygiene 201	3
Dental Hygiene 202	
and 203	6-6
Dental Hygiene 204	6
Dental Hygiene 205	2
Dental Hygiene 206	3
Dental Hygiene 207	4
Dental Hygiene 208-A	
and 208-B	2-2
Dental Hygiene 209	3

55

Course Offerings-Freshman and Sophomore

DENTAL HYGIENE 101-102-Dental Anatomy and Oral Histology and II. (5-0-5) (3-0-3). Fall and Winter Quarters.

A developmental study of the oral cavity, the primary tissues and histology of the teeth, the calcification, eruption, morphology, and function of the human dentition and supporting structures, including the study of head and neck anatomy. Identification, cross-sectioning, drawing and carving of some permanent and deciduous teeth.

DENTAL HYGIENE 103-Orientation to Dental Hygiene. (1-0-1). Fall Quarter.

A survey of the history, development, and current status of the dental hygiene profession; also, an introduction to clinical practice characteristics and subject matter.

*One of these history courses and this political science course are exempted by examination in order to meet the state requirement for graduation, the ten quarter hours shall be allotted to electives.

*Required by Council on Dental Education, American Dental Association.

DENTAL HYGIENE 104 -Clinical Dental Hygiene I. (1-6-3). Winter Quarter. Prerequisite: Dental Hygiene 103.

The student is taught the techniques of removing stains and deposits from the teeth. Clinical procedures are introduced first on manikins and then applied in the mouth.

DENTAL HYGIENE 105, 202, 203 -Clinical Dental Hygiene II, III and IV. (1-3-2) (1-15-6) (1-15-6). Spring, Fall, and Winter Quarter respectively. Prerequisites: Dental Hygiene 103, 104.

Students continue with oral prophylaxes techniques and other advanced procedures on patients in the clinic under supervision, eg patient reception, patient recall, medical history, charting, use of periodontal probe, patient education, topical fluoride application, use of cavitron, etc.

DENTAL HYGIENE 106 -Pharmacology and Anesthesiology. (2-0-2). Spring Quarter.

The study of drugs and anesthetics with special consideration given to those used in the dental office. This study is to acquaint the student with the origin of these drugs and anesthetics, their physical and chemical properties, modes of administration, and effects upon the body systems.

DENTAL HYGIENE 107 -Dental Specialties. (2-0-2). Summer Quarter.

A series of lectures designed to acquaint the dental hygienist student with the subject matter and practice of the various dental specialties; emphasis will be given to periodontia, the nature, cause and treatment of periodontal disease and the role of the dental hygienist.

NUTRITION 105 -Fundamentals of Nutrition. (5-0-5). Summer Quarter.

A survey of the fundamentals of nutrition and the factors influencing the ability of the individual and family to secure and maintain optimal nutritional status.

HEALTH 107 -Personal and Community Health. (5-0-5). Summer Quarter.

The course includes information for protection and promotion of individual and public health. Emphasis is given to personal hygiene, mental health, parenthood, disease prevention, and community organizations for maintaining and improving health of self and society.

DENTAL HYGIENE 201 -General and Oral Pathology. (3-0-3). Fall Quarter.

The principles of general pathology in relationship to the diseases of the teeth, soft tissues, and supporting structures of the oral cavity. The importance of early recognition of abnormal conditions in the mouth by the hygienist is emphasized.

DENTAL HYGIENE 204 -Clinical Dental Hygiene V. (1-15-6). Spring Quarter. Prerequisites: Dental Hygiene 103, 104, 105, 202, 203.

A continuation of the preceding clinical courses. Emphasis centers on improved proficiency in all areas. Lecture time covers laws governing dental hygiene practice, professional ethics, areas of employment, office procedures, and the discussion of situations encountered in clinical laboratory and externship experience.

DENTAL HYGIENE 205 -Dental Health Education. (2-0-2). Fall Quarter.

Demonstrations and practical applications of modern methods of dental health education. Developing teaching materials for dental health education and the presentation of materials are included.

DENTAL HYGIENE 206 -Dental Roentgenology and X-Ray Laboratory. (2-3-3). Winter Quarter.

A series of lectures and demonstrations on the applications of roentgen rays for dental diagnostic purposes. Includes the electrophysics of the apparatus, positioning of the films, angulation of the machine, and developing processes.

DENTAL HYGIENE 207 -Dental Materials and Assisting Procedures. (3-3-4). Summer Quarter.

Basic concepts of dental assisting, laboratory procedures, and dental materials used commonly and the role of the dental hygienist. Field trips to local commercial dental laboratories and the local dental supply houses.

DENTAL HYGIENE 208-A and 208-B -Externship I and II or Chairside and Community Dental Health. (0-6-2) (0-6-2). Winter and Spring Quarters. Prerequisites: Speech 228, Dental Hygiene 205, 207.

A two-quarter extra-mural sequence in which the dental hygiene student is given the opportunity to utilize principles and techniques of dental health education in community schools and, also, by appropriately planned learning experiences in selected dental offices, to identify her professional role as a member of the dental health team.

BACHELOR OF SCIENCE IN DENTAL HYGIENE EDUCATION

An additional two years of study (six quarters) are offered to graduates of accredited associate degree dental hygiene programs who are registered dental hygienists. The enrollment is limited to those applicants with a minimum of one year of professional experience who wish to prepare themselves for a second career in Dental Hygiene Education.

In addition to courses listed for the Associate in Science in Dental Hygiene Degree, the following courses must be completed.

English 122	5	Dental Hygiene 401
Math-any 10 qtr. hr.		Dental Hygiene 402
sequence	10	Dental Hygiene 403
History 114	5	Dental Hygiene 404
History 115	5	
Philosophy 201	5	
Education 301	5	
Education 303	5	
Psychology 301	5	
Psychology 305	5	
Education 437	5	

	55
Electives	15
	70

Course Offerings

DENTAL HYGIENE 401 -Practicum in Dental Hygiene Education I. (1-8-5). Offered on Demand.

An introductory field experience in the college dental hygiene clinic, with emphasis on observation, individual and small group teaching, and teacher aide work. The first professional course for majors in Dental Hygiene Education.

DENTAL HYGIENE 402 -Practicum in Dental Hygiene Education II. (1-8-5). Offered on Demand.

A continuation of Dental Hygiene 401. Problems common to beginning dental hygiene teachers, practices and procedures designed to accomplish program objectives, the establishment and organization of content, methods of clinical evaluation and supervision in the dental hygiene clinic.

DENTAL HYGIENE 403 -Practicum in Dental Hygiene Education III. (1-8-5). Offered on Demand.

An advanced field experience, designed to assist the student in the development of learning activities, teaching procedures, and the presentation of materials pertinent to dental hygiene education. The student will develop and teach selected units in the basic dental hygiene sequence.

DENTAL HYGIENE 404 -Dental Hygiene Independent Study. (6-5). Offered on Demand.

Individual independent study and field work in an area of major interest with special relevance to dental hygiene and future career objectives.

ANTHROPOLOGY

(See listing under Department of Psychology and Sociology)

ART

(See listing under Department of Fine Arts)

DEPARTMENT OF BIOLOGY

Professor Leslie B. Davenport, Jr., Head; Associate Professors Beltz and Thorne; Assistant Professors Brower and Pingel

DEPARTMENTAL REQUIREMENTS FOR THE MAJOR IN BIOLOGY

The major in biology consists of Biology 101, 102, Botany 203, Zoology 204, and at least 40 quarter hours credit in biology courses (botany, zoology, etc.) numbered 300 or above. In addition, biology majors must complete the course sequence in organic chemistry (15 quarter hours). The course in general college physics (15 quarter hours) is strongly recommended and should be considered essential for those who expect to continue the study of biology beyond the B. S. degree.

Every student acquiring a major in biology must include in his program the following courses: Biology 370; Biology 380; and Botany 380 or Zoology 390.

To be admitted to courses in biology above the freshman level (those numbered 200 or above), the student must have completed the prerequisites for each with at least a grade of "C" for each prerequisite. To be eligible for a B.S. degree in biology, the student must have an average of at least "C" for all upper division courses (those numbered 300 or above) in biology.

Beginning students who have successfully completed strong courses in biology in high school are advised to take the examinations for advanced placement which are offered with the College Entrance Examinations. Arrangements to take these tests may be made through the office of the Dean of Student Affairs.

Course Offerings

BIOLOGY 101 -Principles of Biology (4-3-5). Offered each quarter. Prerequisite: none.

Biological structure; the reproduction and development of organisms; the physical and chemical organization of protoplasm and cells.

BIOLOGY 102 -Principles of Biology (4-3-5). Offered each quarter. Prerequisite: Biology 101.

Biological function; bioenergetics of cells, cellular and organismal physiology, genetics, differentiation, behavior, ecology, and evolution.

BIOLOGY 351 -Bacteriology (3-4-5). Fall. Prerequisites: 10 hours of biological science, Chemistry 128-129.

A survey of micro-organisms with special emphasis on bacteria and their relationships to man.

BIOLOGY 352 -Mycology (3-4-5). Offered on demand. Prerequisite: Biology 351.

A survey of the microscopic and macroscopic fungi common to the local geographic area.

BIOLOGY 358 -Histological Technique. (0-10-5). Offered on demand. Prerequisites: Biology 101, 102.

Principles and methods of killing, fixing, embedding, sectioning, staining, and mounting plant and animal materials for study.

BIOLOGY 370 -Genetics (3-4-5). Winter. Prerequisites: Biology 101, 102.

An introduction to the principles of biological inheritance.

BIOLOGY 380 -General Ecology (3-4-5). Spring. Prerequisites: Two upper division courses in biology (botany or zoology).

A survey of the principles of ecology and their application to the welfare of man, co-ordinated with a study of populations and communities in the field.

BIOLOGY 410 -Cellular Physiology (3-4-5). Offered on demand. Prerequisites: At least third quarter junior status; two upper division courses in biology; and organic chemistry.

A consideration of the functional relationships between microscopic anatomy and cell chemistry, emphasizing permeability, metabolism, and growth.

BIOLOGY 440 -Cytology (2-6-5). Fall, odd numbered years. Prerequisite: Two senior division courses in biology.

The study of cells, their cytoplasm and nuclei, growth, differentiation, and reproduction.

BIOLOGY 450 -Evolution (5-0-5). Winter. Prerequisite: major in biology (at least 15 qtr. hrs. credit in upper division courses).

Modern concepts in organic evolution.

BIOLOGY 490 -Problems in Biology (1-5 hours credit). Offered on demand. Prerequisites: At least 20 hours credit in biology courses numbered 300 or above; a B average in biology courses and in overall work; consent of department head; agreement of staff member to supervise work.

Problems to be assigned and work directed by a member of the department. Supervised research including literature search, field and/or laboratory investigation, and presentation of acceptable written report of results. Credit will depend upon the work to be done. Both credit and proposed work must be approved in advance.

in writing, by the faculty member to supervise the work and by the department head.

BOTANY 203 -Survey of the Plant Kingdom. (3-4-5). Spring.
Prerequisite: Biology 101 and 102.

Morphology and phylogeny of the divisions of the plant kingdom, with emphasis upon the evolution of the land flora.

BOTANY 305 -Identification of Flowering Plants (0-10-5). Spring.
Prerequisite: Botany 203.

Studies in the identification of plants with emphasis on local flora.

BOTANY 323 -Plant Anatomy (0-10-5). Fall, even numbered years.
Prerequisite: Botany 203.

The origin and development of the organs and tissue systems of vascular plants, and a comparative study of the structure of roots, stems, leaves, flowers, and fruits.

BOTANY 380 -Plant Physiology (3-4-5). Summer. Prerequisites: Botany 203 and Organic Chemistry.

A survey of physiological processes occurring in economic plants and the conditions which affect these processes.

BOTANY 425 -Plant Morphology (3-4-5). Offered on demand.
Prerequisite: Botany 203.

Comparative studies of vascular plants with emphasis on form, structure, reproduction, and evolutionary relationships.

ENTOMOLOGY 301 -Introductory Entomology (3-4-5). Spring.
Prerequisite: Zoology 204.

An introduction to the study of insects - their structure, identification, and biology.

ZOOLOGY 204 -Survey of the Animal Kingdom. (3-4-5). Winter.
Prerequisite: Biology 101 and 102.

An evolutionary survey of the major animal phyla.

ZOOLOGY 208 -Structure and Function of the Human Body. (5-0-5). Prerequisite: Sophomore status.

A basic course considering the gross anatomy, histology, and physiology of the organ system by means of combined lectures and demonstrations. Credit for this course may not be applied toward a major in biology.

ZOOLOGY 325 -Advanced Invertebrate Zoology. (3-4-5).
Prerequisite: Zoology 204.

A study of the structure, body functions, interrelations, and natural history of the major invertebrate groups.

ZOOLOGY 355 -Embryology (3-4-5). Fall. Prerequisites: Zoology 204 or equivalent in another biological science.

An elementary course in embryology in which the chick is used to illustrate the basic principles of developmental anatomy.

ZOOLOGY 356 -Comparative Anatomy of the Vertebrates. (3-6-6). Winter. Prerequisite: Zoology 204.

A study of the anatomy and evolution of the organ systems of the vertebrates.

ZOOLOGY 357 -Animal Histology (3-4-5). Winter. Prerequisite: Zoology 204.

A study of the tissues and their organization into organs and organ systems in animals.

ZOOLOGY 372 -Parasitology (3-4-5). Spring. Prerequisites: Zoology 204.

A comparative study of the internal and external parasites of man and other animals.

ZOOLOGY 390 -General Vertebrate Physiology (3-4-5). Fall. Prerequisites: Zoology 204 and organic chemistry.

An introduction to the general physiologic processes of the vertebrates.

ZOOLOGY 425 -Marine Invertebrate Zoology (2-6-5). Prerequisite: Zoology 325, or permission of instructor and department head.

Studies in the identification and ecologic distribution of marine invertebrates as exemplified by collection from the southeastern coastal region.

ZOOLOGY 429 -Endocrinology (4-4-5). Offered on demand. Prerequisites: Zoology 390 and one other senior division course in biology.

Physiology of the endocrine glands, their control of metabolism and reproductive cycles.

ZOOLOGY 435 -Comparative Physiology (3-4-5). Spring. Prerequisites: Zoology 204, and Chemistry 341, 342, and 343.

Studies in various groups of animals of the functions of organ systems involved in the maintenance of homeostasis under varying conditions within normal habitats and of *in vitro* reactions of tissues and systems under laboratory conditions.

BOTANY

(See listing under Department of Biology)

DEPARTMENT OF BUSINESS ADMINISTRATION

Professor Orange Hall, Head; Professors Davis and Bhatia; Associate Professors Morgan and Squires; Assistant Professors DeCastro, Johns, LaBurtis, Marves, and Pearce.

Major Concentrations. (For Business Education, see listings under Teacher Education). No student will be allowed to take upper division courses unless he has a minimum grade of C in all prerequisite courses in his major field. An average of at least 2.0 in his major courses will be a requirement for graduation.

1. ACCOUNTING

B.A. 301, 302-Intermediate Accounting I, II, and four of the following:

- B.A. 329-Cost Accounting I
- B.A. 330-Cost Accounting II
- B.A. 436-Income Taxation I
- B.A. 437-Income Taxation II
- B.A. 440-Information Systems
- B.A. 450-Auditing Principles
- B.A. 455-Advanced Accounting

2. ECONOMICS

Econ. 401-Price and Income Theory

Econ. 435-Seminar on Contemporary Economic Problems, and four of the following:

- Econ. 326-Economic History of the United States
- Econ. 335-Public Finance
- Econ. 345-Economic Development
- Econ. 350-Transportation Economics
- Econ. 405-Government and Business
- Econ. 410-International Trade
- Econ. 420-Comparative Economic Systems
- Econ. 422-Business Fluctuations, Macroeconomics
- Econ. 431-Investments
- Econ. 445-Independent Study

3. MANAGEMENT-MARKETING

B.A. 465-Business Policy, and five of the following:

- B.A. 308-Business Law II
- B.A. 315-Business Communications
- B.A. 329-or B.A. 301 Cost or Intermediate Accounting I
- B.A. 375-Personnel Administration
- B.A. 411-Marketing Management
- B.A. 412-Marketing Research
- B.A. 425-Managerial Accounting
- B.A. 460-Production Planning and Control
- B.A. 462-Human Relations in Industry
- Econ. 350-Transportation Economics
- Econ. 405-Government and Business
- Psyc. 320-Industrial Psychology
- ** (B.A. 304) Salesmanship and Sales Management
- ** (B.A. 306) Retailing
- ** (B.A. 403) Advertising

1. FINANCE

- B.A. 461-Corporate Financial Policy or
- B.A. 465-Business Policy

*These courses offered at Savannah State College may be taken by students wishing more specialized concentration in marketing for the degree of B.B.A.

B.A. 425-Managerial Accounting or
B.A. 301-Intermediate Accounting or
B.A. 329-Cost Accounting I

Four of the following:

B.A. 308-Business Law

B.A. 404-Real Estate

*(B.A. 307) Principles of Insurance

B.A. 436-Income Taxation I

B.A. 437-Income Taxation II

Economics 335-Public Finance

Economics 422-Business Fluctuations

Economics 431-Investments

Course Offerings

BUSINESS ADMINISTRATION 200 -Survey of Business (5-0-5)
Fall, Spring, Summer.

A first course in business for Business Administration majors or an elective for non-majors who wish to gain an understanding of the functioning of business enterprises in our capitalistic system. The course will provide a basic familiarity with: (a) the economic, social and political environment in which business enterprises operate, and (b) the tools and managerial skills used in business decision-making in the various functional areas such as organization, management, financing, marketing, production and personnel. (Not open to upper-division business majors who have already taken 300-level work)

BUSINESS ADMINISTRATION 205 -Data Processing (5-0-5). Fall
Winter.

A study of the basic methods, techniques, and systems of manual, mechanical, electrical and electronic data processing systems and an analysis of the application of these systems to business and industry with emphasis on the manager and the role of management. Included in the course of study are the telecommunication terminal systems and the languages necessary to communicate with a computing system. Languages available include CPS BASIC, PL/1, DARTMOUTH BASIC AND PIFOR. Other languages will be included as they become available.

BUSINESS ADMINISTRATION 211 -Introductory Accounting I (5-0-5). Fall, Winter, Spring.

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, working papers, accounting statements, controlling accounts, special journals, partnerships and corporations.

*This course is offered at Savannah State College and may be taken as a part of the major concentration in Finance for the degree of B.B.A.

BUSINESS ADMINISTRATION 212 -Introductory Accounting II. (5-0-5). Winter, Spring. Prerequisite: Business Administration 211.

An application of accounting principles to certain problems such as departmental operations, manufacturing accounts, the analysis of financial statements, accounting aids to management, statement of application of funds.

BUSINESS ADMINISTRATION 301 -Intermediate Accounting I. (5-0-5). Fall. Prerequisite: Business Administration 212.

Accounting theory and the solution of problems requiring an application of accounting theory.

BUSINESS ADMINISTRATION 302 -Intermediate Accounting II. (5-0-5). Winter. Prerequisite: Business Administration 301.

A continuation of Business Administration 301, emphasizing the theories of valuation of fixed assets and liability accounts, the application of these, and the interpretation of financial statements prepared on the basis of these theories.

BUSINESS ADMINISTRATION 307 -Business Law I. (5-0-5). Fall, Winter, Spring.

Law governing the basic principles applicable to the following subjects: Contracts, offer and acceptance, consideration, rights of third parties and discharge; agency, liabilities of principal and agent; negotiability, endorsement and transfer, liabilities of parties.

BUSINESS ADMINISTRATION 308 -Business Law II. (5-0-5). Winter.

The law applicable to the following subjects: partnership formation, powers and liabilities of partners; corporation, formation, powers, rights of security holders; sales, vesting of title, warrants, remedies.

BUSINESS ADMINISTRATION 315 -Business Communication. (5-0-5). Fall, Winter.

The development in the student of an awareness of the problems in communicating in modern business; the principles of effective business communication and the application of these principles to the writing of business reports, memorandums, letters, news releases, newsletters, agendas, programs, annual reports, and other business information media, including the instruments of the job-application process.

BUSINESS ADMINISTRATION 320 -Business Finance. (5-0-5). Fall, Winter. Prerequisite: Business Administration 212.

The internal and external sources of financing for business enterprises; acquisition and management of long-term and shorter-term funds; types of securities; equity and debt instruments; problems of financial management.

BUSINESS ADMINISTRATION 329 -Cost Accounting I. (5-0-5). Winter. Prerequisite: Business Administration 212.

Methods of determining and distributing costs in manufacturing including job order and process methods.

BUSINESS ADMINISTRATION 330 -Cost Accounting II. (5-0-5) Summer. Prerequisite: Business Administration 329.

Standard cost procedures; budgeting; distribution costs and special cost problems.

BUSINESS ADMINISTRATION 340 -Principles of Marketing. (5-0-5). Fall, Winter. Prerequisite: Business Administration 200 or Economics 202.

Principles and methods involved in the movement of goods and services from producers to consumers.

BUSINESS ADMINISTRATION 360 -Principles of Management (5-0-5). Fall, Winter. Prerequisite: Business Administration 200 or 212.

The basic principles of management applicable to all forms of business and to all levels of supervision; the functions of planning, organizing, directing, and controlling as components of the management process.

BUSINESS ADMINISTRATION 375 -Personnel Administration (5-0-5). Fall, Spring. Prerequisite: Business Administration 200 or Economics 202.

Personnel administration as a staff function. Employment standards, training, safety and health, employee services and industrial relations.

BUSINESS ADMINISTRATION 404 -Real Estate. (5-0-5). Winter. Prerequisites: B.A. 320 or B.A. 425, or B.A. 340 and B.A. 360.

Principles and practices concerned with the economic, financial, managerial, and marketing aspects of commercial and industrial real estate planning and utilization.

BUSINESS ADMINISTRATION 411 -Marketing-Management (5-0-5). Fall. Prerequisites: Business Administration 340 and 360.

Management of marketing organizations, with emphasis on planning, organizing and controlling the marketing organization; internal and external communications; marketing management decision making.

BUSINESS ADMINISTRATION 412 -Marketing Research (5-0-5) Spring. Prerequisites: Business Administration 340, Math 220.

Sampling, survey, experimental and other research techniques for determining customer preferences and market potentials. Interpretation and presentation of research findings for management decision making.

BUSINESS ADMINISTRATION 425 -Managerial Accounting. (5-0-5). Spring. Prerequisite: Business Administration 212.

Emphasizes theory and practice of accounting from the standpoint of those who direct business operations and shape business policy.

BUSINESS ADMINISTRATION 436 -Income Taxation I. (5-0-5).
Spring, Fall. Prerequisite: Business Administration 212.

A study of federal income tax law and regulations; the income tax returns of individuals, partnerships, and corporations.

BUSINESS ADMINISTRATION 437 -Income Taxation II. (5-0-5).
Summer. Prerequisite: Business Administration 436 or consent of instructor.

A continuation of Business Administration 436 with emphasis on corporations and fiduciary returns, gift taxes, and estate taxes.

BUSINESS ADMINISTRATION 440 -Information Systems. (5-0-5).
Spring. Prerequisites: Business Administration 212 and 360.

The design and implementation of total information systems which meet organizational needs for effective direction, decision-making, and control.

BUSINESS ADMINISTRATION 450 -Auditing Principles. (5-0-5).
Spring. Prerequisite: Business Administration 302.

The principles of audits and financial verifications, standards of field work, preparation of audit working papers, writing audit reports, auditing ethics.

BUSINESS ADMINISTRATION 455 -Advanced Accounting. (5-0-5).
Spring. Prerequisite: Business Administration 301 and 302.

Selected problems in accounting. Analysis and evaluation of methods used for organizing and solving special accounting problems.

BUSINESS ADMINISTRATION 460 -Production Planning and Control. (5-0-5). Fall. Prerequisites: Business Administration 360, Math 220.

Appreciation of the principles of production management is developed through study of plant layout, inventory control, materials handling, production scheduling, quality control, and associated topics.

BUSINESS ADMINISTRATION 461 -Corporate Financial Policy. (5-0-5). Spring. Prerequisites: Business Administration 320 and Senior Status.

Analysis of financial problems, practices, policies, and decision-making rules of corporations. This course should be taken, when possible, in the student's last quarter before graduation.

BUSINESS ADMINISTRATION 462 -Human Relations in Industry. (5-0-5). Winter. Prerequisites: Business Administration 360. Business Administration 375 and Psychology 101 are desirable.

A study of the process of integrating people into the work situation so that they are motivated to work together harmoniously, productively, and with economic, psychological, and social satisfaction.

BUSINESS ADMINISTRATION 465 -Business Policy. (5-0-5). Winter, Spring. Prerequisites: Business Administration 320, 340, 360, and Senior status.

Problem solving and decision making by top management. An integrating course, taught by the case method. Should be taken in the student's final quarter, if possible.

BUSINESS EDUCATION

BUSINESS EDUCATION 104 -Beginning Typewriting. (0-5-2). Fall.

Development of basic skill; introduction to typewritten letters, tabulations, and manuscripts (includes term papers and book reports). *Students who have earned high school credit in a one-year course in typewriting (or the college equivalent--one quarter or one semester) may not take this course for credit. These students should begin the typewriting sequence with Intermediate Typewriting, Business Education 105.*

BUSINESS EDUCATION 105 -Intermediate Typewriting. (0-5-2). Winter. Prerequisite: Business Education 104 or equivalent.

Improvement of basic skill; tabulations, business forms, letters, memorandums, and manuscripts; emphasis on production rate.

BUSINESS EDUCATION 106 -Advanced Typewriting. (0-5-2). Spring. Prerequisite: Business Education 105 or equivalent.

Major emphasis on production rate; tabulations, letters, and manuscripts; varied business forms and other information media.

BUSINESS EDUCATION 111 -Beginning Gregg Shorthand. (5-0-3). Fall. Prerequisite or corequisite: Business Education 104 or equivalent.

Complete theory; reading; dictation and transcription from studied material to 60 words a minute. *Students who have earned high school credit in a one-year course in Gregg Shorthand (or the college equivalent--one quarter or one semester) may not take this course for credit. These students should begin the shorthand sequence with Intermediate Gregg Shorthand, Business Education 112.*

BUSINESS EDUCATION 112 -Intermediate Gregg Shorthand. (5-0-3). Winter. Prerequisite: Business Education 111 or equivalent and Business Education 104 or equivalent.

Improvement of basic skill; mailable copy; reading; dictation and transcription from studied and new material to 90 words a minute.

BUSINESS EDUCATION 113 -Advanced Gregg Shorthand. (5-0-3). Spring. Prerequisite: Business Education 112 or equivalent and Business Education 104 or equivalent.

Improvement of basic skill; reading; mailable copy; dictation and transcription from studied and new material to 120 words a minute.

BUSINESS EDUCATION 212 -Office Machines. (3-2-3). Spring.

Development of skill in the use of adding-listing machines, calculating machines, dictating-transcribing machines, reproducing machines, and the proportional-space typewriter; course syllabus adapted to individual student's needs.

BUSINESS EDUCATION 213 -Office Procedures. (5-0-5). Spring. Prerequisites: Business Education 105 and Business Education 112 or their equivalent.

Development of an understanding of administrative services common to modern business; work flow; interpersonal relationships; records maintenance and management.

ECONOMICS

ECONOMICS 201 -Principles of Economics I. (5-0-5). Fall, Winter, Spring.

A study of the principles underlying the economic institutions of the present time and their application to economic problems. Microeconomics or macroeconomics is emphasized.

ECONOMICS 202 -Principles of Economics II. (5-0-5). Winter, Spring, Summer.

Microeconomics, with emphasis on the theory of prices and factor markets. If a student plans to take only one economics course, Economics 201 or Economics 326 would be more suitable than Economics 202.

ECONOMICS 311 -Quantitative Methods. (5-0-5). Spring. Prerequisite: Math 220.

Applications of statistics and other quantitative techniques to decision making in business and economics.

ECONOMICS 326 -Economic History of the United States. (5-0-5). Offered on demand.

The growth and development of economic institutions in the United States from the colonial period to the present, with emphasis on the period since 1860, and including developments in agriculture, industry, labor, transportation, and finance.

ECONOMICS 327 -Money and Banking. (5-0-5). Fall, Spring. Prerequisite: Economics 201.

Monetary theory, banking theory and practice, central bank controls, other financial institutions, credit flows, monetary policies to achieve desired economic efforts.

ECONOMICS 331 -Labor and Industrial Relations. (5-0-5). Winter, Summer. Prerequisite: Economics 201.

The development and structure of the labor movement in the United States; the principles of wage determination; collective bargaining; and public policy toward labor unions.

ECONOMICS 335 -Public Finance. (5-0-5). Fall, Summer. Prerequisite: Economics 201.

The economic effects of governmental taxation, expenditures, and public debt management. The principal sources of revenue and type of expenditures at the federal, state, and local levels. The proper scope of government and issues of fairness in taxation.

ECONOMICS 345 -Economic Development. (5-0-5). Alternate Winters. Prerequisite: Economics 202.

The nature and cause of economic stagnation in developing nations of the world, urgent need for their economic development, theory of economic growth, ways of fostering development, and balanced growth and industrialization.

ECONOMICS 350 -Transportation Economics. (5-0-5). Winter. Prerequisite: Economics 202.

The economic aspects of transportation; significant developments in the fields of highway transport, water transport, and air transport, and in regulatory policy concerning the transportation industry.

ECONOMICS 401 -Price and Income Theory. (5-0-5). Winter. Prerequisite: Economics 202.

Economic analysis, especially the theories of production, price determination, factor shares, income distribution and determination.

ECONOMICS 405 -Government and Business. (5-0-5). Fall. Prerequisite: upper-division status.

The effects of public policies upon business and industry, with emphasis on anti-trust, taxation, regulatory, and defense policies.

ECONOMICS 410 -International Trade. (5-0-5). Offered on demand. Prerequisite: Economics 202.

Export-import trade, emphasizing exchange techniques, balance of trade and payments accounts, and the theory of international specialization and exchange, the relationship of international transactions to national income.

ECONOMICS 420 -Comparative Systems. (5-0-5). Alternate Springs. Prerequisite: Economics 202.

Study of economic problems under different economic systems such as capitalism, socialism; and introduction to Marxian economic theory.

ECONOMICS 422 -Business Fluctuations, Macroeconomics. (5-0-5). Alternate years. Prerequisite: Economics 327 or Economics 202 and consent of instructor.

Causes of business fluctuations, means of prevention or control, policy proposals to maintain full employment and price stability.

ECONOMICS 431 -Investments. (5-0-5). Offered on demand.

The investment risks in different investment media; selection of appropriate media in accordance with individual or institutional goals and risk-bearing capacity. Types of investments and securities.

ECONOMICS 435 -Seminar on Contemporary Economic Problems. (5-0-5). Alternate Springs. Prerequisites: Economics 201 and 202, and two 300-level economics courses.

General problems of production, employment, and income, with special reference to the specific problems faced by the American economic system.

ECONOMICS 445 -Independent Study. (5-0-5). Offered on demand.

Mature students of economics may be permitted to undertake special independent studies in one or more aspects of economics, under the supervision and guidance of a member of the faculty. Normally, the subject matter covered will parallel a bulletin-described course which is only infrequently offered. The student will meet frequently with his advisor and will be expected to submit reports in depth on his studies. Approval of the Advisor and the Department Head will be necessary for admittance to this course.

DEPARTMENT OF CHEMISTRY AND PHYSICS

Professor Fretwell G. Crider, Head; Associate Professors Brewer, Harris, Robbins, and Stratton; Assistant Professors Guillou and Whiten

Departmental Requirements for the Major in Chemistry

	Qtr. Hrs.
Major Requirements	
A. Lower Division	
General Inorganic Chemistry (128, 129)	10
Analytic Chemistry (Qual. 281; Quant. 282)	10
B. Upper Division	
Organic Chemistry (341, 342, 343)	15
Physical Chemistry (491, 492, 493)	12
Electives (13 qtr. hrs.) from the following:	13
Advanced Inorganic (421) 4 qtr. hrs.	
Qualitative Organic Analysis (448) 4 qtr. hrs.	
Instrumental Analysis (480) 5 qtr. hrs.	
Special Problems in Chemistry (498, 499) 1-5 qtr. hrs.	
Chemistry 431, 432, 441 3 qtr. hrs. ea.	
Requirements in Related Fields	
A. Mathematics through Calculus	5
B. Physics	15

CHEMISTRY

CHEMISTRY 121, 122 -General Chemistry. (4-3-5 for each course).
Prerequisite: Entrance Requirements. Offered each quarter.

These courses are designed for the student who is pursuing a non-science college major. They include a study of the fundamental laws and theories of inorganic chemistry. Included in the second quarter is a survey of organic chemistry and an introduction to biochemistry. These courses are a lecture-laboratory study with minimum reliance on mathematics.

CHEMISTRY 128, 129 -General Chemistry. (4-3-5 for each course).
Prerequisite: College Algebra or equivalent. Offered each quarter.

A study of the fundamental principles and laws of chemistry with a quantitative approach to the subject. These courses are designed for the science major expecting detailed work in the modern concept of the atom, chemical bonding and a thorough treatment of the chemistry of particular elements, families and groups. The laboratory work includes an understanding of fundamental techniques as applied to beginning experiments and a study of properties and preparations.

CHEMISTRY 281 -Qualitative Inorganic Analysis. (3-6-5)
Prerequisite: Chemistry 129. Spring and Fall.

Theory and adequate laboratory practice in the analysis of common cations and anions.

CHEMISTRY 282 -Quantitative Inorganic Analysis. (2-9-5).
Prerequisite: Chemistry 281. Winter and Summer.

The fundamental theories and practice of gravimetric and volumetric analysis with an introduction to instrumental analysis.

CHEMISTRY 311 -Oceanography - Inorganic Chemistry. (2-0-2).
Prerequisite: Chemistry 282 or 341, or approved equivalent in physics or biology. Fall.

The minerals of the ocean and ocean floor; methods of analysis and collection; inter-relationship between the components; changes that may take place; effects of the components on bio-processes.

CHEMISTRY 312 -Oceanography - Physical Chemistry. (2-0-2)
Prerequisite: Chemistry 282 or 341, or approved equivalent in physics or biology. Winter.

The study of phases in the ocean; pH and its variations; redox potential and its variations; methods of obtaining data; solubility effects and precipitation; correlation of data with bio-processes.

CHEMISTRY 313 -Oceanography - Chemical Applications. (2-0-2)
Prerequisite: Chemistry 282 or 341, or approved equivalent in physics or biology. Spring.

Study of the mineral potential of the ocean; description of the processes already operating; energy from the sea; ion-exchange processes; freshwater from the sea; biological concentrative effects; future projections.

CHEMISTRY 341, 342 -Organic Chemistry. (3-6-5 for each course). Prerequisite: Chemistry 129. Fall, Winter.

These courses include the study of aliphatics, aromatic hydrocarbons and their derivatives, polyfunctional compounds, and polynuclear hydrocarbons. Organic reactions are emphasized in terms of modern electronic theory.

CHEMISTRY 343 -Organic Chemistry. (3-6-5). Prerequisite: Chemistry 342. Spring.

A continuation of the organic chemistry sequence 341, 342. This course completes the fundamental study of organic chemistry with a consideration of carbohydrates, amino acids, and heterocyclics with their related compounds.

CHEMISTRY 350 -Chemical Literature. (2-0-2). Prerequisite: Chemistry 342 or consent of Department Head. Spring.

A study of the use of the chemical library and the important journals, references, and information sources. Course will include instruction in report writing.

CHEMISTRY 360 -Biochemistry. (5-0-5). Prerequisite: Chemistry 343. Spring.

A study of the chemical nature of cellular constituents and their metabolisms.

CHEMISTRY 371 -Industrial Chemistry. (3-0-3). Prerequisite: Consent of Department Head. Winter.

This course presents a study of inorganic chemical industries. It deals with chemical processes and modern developments in these industries. A survey of operations and economics is given.

CHEMISTRY 372 -Industrial Chemistry. (3-0-3). Prerequisite: Consent of Department Head. Spring.

This course covers the important organic chemical industries in the same manner as Chemistry 371.

CHEMISTRY 421 -Advanced Inorganic Chemistry. (3-3-4). Prerequisite: Chemistry 282. Spring.

Selected topics in inorganic chemistry tending to increase students' understanding of mechanisms of chemical reactions. Emphasizes the periodicity of elements.

CHEMISTRY 431 -Seminar. (3-0-3). Prerequisite: Chemistry 491, Chemistry 343, or Chemistry 421. Offered on demand.

Selected topics for group discussion.

CHEMISTRY 432 -Seminar. (3-0-3). Prerequisite: Chemistry 491, Chemistry 343, or Chemistry 421. Offered on demand.

Selected topics for group discussion.

CHEMISTRY 441 -Advanced Organic Chemistry. (3-0-3).
Prerequisite: Chemistry 343. Fall.

A further study of important organic reactions emphasizing theories of reaction mechanisms of organic chemistry.

CHEMISTRY 448 -Organic Qualitative Analysis. (2-6-4).
Prerequisite: Chemistry 343. Summer.

Systematic approach to the identification of organic compounds.

CHEMISTRY 480 -Instrumental Analysis. (2-9-5). Prerequisites:
Chemistry 282, 342. Winter, Summer.

Includes study of principles involved in the operation and the laboratory use of special instruments for analysis.

CHEMISTRY 491, 492, 493 -Physical Chemistry. (3-3-4 for each course). Prerequisites: Chemistry 343, 282; Physics 213; Mathematics 104. Fall, Winter, Spring.

Fundamental principles of physical chemistry including the study of solids, liquids, gases, thermochemistry, thermodynamics and solutions. These courses will also cover a study of chemical equilibria, chemical kinetics, electrochemistry, colloids, quantum mechanics and nuclear chemistry.

CHEMISTRY 498, 499 -Special Problems. (Schedule and credit vary). Prerequisites: Chemistry 493 and consent of Department Head.

Problems to be assigned and work directed by a member of the Department. Supervised research including literature search, laboratory experimentation and presentation of results. Course credit will depend on problem.

PHYSICAL SCIENCE

PHYSICAL SCIENCE 108, 109, 110 -Physical Science of Bio-Processes. (4-3-5 for each course). Prerequisite: Entrance Requirements. Fall, Winter, Spring.

A three quarter sequence which teaches the inter-relationships of content and application of essential principles from chemistry, physics, physiology, microbiology, and anatomy.

PHYSICAL SCIENCE 111 -Physical Environment. (5-0-5).
Prerequisite: Entrance Requirements. Fall, Spring.

An elementary survey of the fundamentals of general physics, including mechanics, heat and sound, electricity and magnetism, and modern physics. Designed for non-science majors. Only simple mathematics is utilized. Lectures, demonstrations, visual aids and problems. No credit is given to a student who has completed a course in college physics.

PHYSICAL SCIENCE 113 -Meteorology, Geology, Astronomy. (5-0-5). Prerequisite: Entrance Requirements. Winter.

A survey of elementary meteorology, geology and astronomy. Elements of weather and climate, their forecasting and possible

modification. Composition, structure, and history of the earth. Relative positions, motions and sizes of members of the solar system, our galaxy, and regions of the universe. Lectures, visual aids, fossils, minerals and rocks, demonstrations and problems.

PHYSICAL SCIENCE 114 -Physical Oceanography. (5-0-5). Prerequisite: Entrance Requirements. Summer.

A survey of basic physical oceanography. Distribution of land and water over the earth. Nature and relief of the sea floor. Physical and chemical properties of sea water. Propagation of sound and light in the ocean. Tides and currents, turbulence and waves, and air-sea energy exchange. Instrumentation. Lectures, visual aids, charts, maps, and problems.

PHYSICS

PHYSICS 211 -Mechanics. (4-2-5). Prerequisite: Mathematics 102. Fall, Summer.

The first part of the sequence Physics 211-212-213 in general physics. Basic classical physics, including mechanics, sound, and heat. Designed for students with aptitude in mathematics below the level of calculus. Lectures, demonstrations, visual aids, problems and laboratory work.

PHYSICS 212 -Electricity, Magnetism, Basic Light. (4-2-5). Prerequisites: Mathematics 102 and Physics 211. Winter.

The second part of the sequence Physics 211-212-213. Basic electricity, magnetism, and geometrical optics.

PHYSICS 213 -Light Phenomena, Modern Physics. (4-2-5). Prerequisites: Mathematics 102 and Physics 212. Spring.

The last part of the sequence Physics 211-212-213. Continues the study of light from the viewpoint of physical optics, and concludes with the study of atomic and nuclear physics. Laboratory work includes two selected experiments of advanced scope.

PHYSICS 217 -Mechanics. (5-3-6). Prerequisite: Mathematics 104, concurrently. Fall, Summer.

The first part of the sequence Physics 217-218-219 in general physics. Basic classical physics, including mechanics, sound and heat. Designed especially for engineering students and recommended for science majors. Lectures, demonstrations, visual aids, problems, and laboratory work.

PHYSICS 218 -Electricity, Magnetism, Basic Light. (5-3-6). Prerequisites: Mathematics 104 and Physics 217. Winter.

The second part of the sequence Physics 217-218-219. Basic electricity, magnetism, and geometrical optics.

PHYSICS 219 -Light Phenomena, Modern Physics. (5-3-6). Prerequisites: Mathematics 104 and Physics 218. Spring.

The last part of the sequence Physics 217-218-219. Continues the study of light from the viewpoint of physical optics, and concludes with the study of atomic and nuclear physics. Laboratory work includes two selected experiments of advanced scope.

COMPARATIVE LITERATURE

(See listing under Department of English, Speech, and Philosophy)

DEPARTMENT OF CRIMINAL JUSTICE

Associate Professor James W. Witt, Head; Instructors Mahany and Farrar

Two programs of study are available to the student who wishes to study in the criminal justice area - a two-year program leading to the degree of Associate in Science in Criminal Justice and a four-year program leading to the degree of Bachelor of Science in Criminal Justice. Each student should work closely with the Head of the Department in planning his program for either of the two degrees.

Associate in Science in Criminal Justice

Quarter Hours

A. General Requirements	5
1. English 121-122	10
2. Speech 228	5
3. Art 200, Music 200, or Philosophy 201	5
4. Mathematics 190	5
5. Laboratory Science Sequence	10
6. History 251* or 252* and Political Science 113*	10
7. Psychology 101 and Sociology 201	10
B. Area of Concentration	2
Criminal Justice 100, 101, 201, 203, 303	
C. Related Areas	1
Business Administration 360	5
Sociology 305	5
D. Physical Education	

TOTAL ... 9

Bachelor of Science in Criminal Justice

Students who intend to major in criminal justice should complete Criminal Justice 100 before the end of the freshman year and should complete all general education requirements as soon as possible.

Quarter Hours

A. General Requirements	76
1. English 121, 122, 221, 222	20
2. Speech 228	5
3. Art 200, Music 200, or Philosophy 201	5
4. Mathematics 190	5
5. Laboratory Science Sequence	10
6. One Math or Science Elective	5
7. Political Science 113* and History 251* or 252*	10
8. Economics 201 and one social science elective	10
9. Physical Education	6
B. Courses Appropriate to Area of Concentration	30
1. Psychology 101	5
2. Sociology 201 and 305	10
3. Criminal Justice 100, 101, and 201	15
C. Area of Concentration	35
1. Criminal Justice 303, 401, 403, 404, 405	25
2. Two courses from the following: Criminal Justice 301, 302, 402, 408.	10
D. Related Areas	30
1. Sociology 350 and Political Science 305	10
2. Psychology 303 and 405	10
3. Two additional courses to be chosen in consultation with Head of the Department	10
E. Upper Division Electives	20
TOTAL ...	191

If a student in either the associate or the baccalaureate degree program exempts one of these history courses and this political science course to meet the state requirement for graduation, the ten quarter hours in his program shall be allotted to electives.

Course Offerings

CRIMINAL JUSTICE 100 -Introduction to Criminal Justice. (5-0-5). Fall.

This course deals with a systemic study of the agencies involved in the process of criminal justice. Required of all criminal justice majors.

CRIMINAL JUSTICE 101 -Law Enforcement I. (5-0-5). Fall.

An introduction to the philosophical and historical background and the role of law enforcement in the field of criminal justice.

CRIMINAL JUSTICE 201 -Criminal Law I. (5-0-5). Winter.

A survey of the distinctive features of, and the basis for, American criminal law, buttressed by an analysis of leading court decisions relative to procedural rights emanating from the Bill of Rights.

CRIMINAL JUSTICE 203 -Directed Readings in Criminal Justice (5-0-5). Offered on Demand.

A course designed to permit each student to pursue an approved topic through independent study and research under the guidance and direction of the instructor.

CRIMINAL JUSTICE 301 -Juvenile Delinquency. (5-0-5). Fall.

A survey of theories of juvenile delinquency, the sociological, biological and psychological factors involved in juvenile delinquency and the modern trends in prevention and treatment.

CRIMINAL JUSTICE 302 -Criminalistics. (5-0-5). Summer.

An introduction to the problems and techniques of scientific criminal investigation. Emphasis will be placed on familiarizing the student with the role of science and technology in modern law enforcement.

CRIMINAL JUSTICE 303 -Corrections, Probation and Parole. (5-0-5). Winter.

Principles, institutions and practices of corrections, probation and parole.

CRIMINAL JUSTICE 401 -Special Problems in Criminal Justice (5-0-5). Spring. Prerequisite: Sociology 305.

In depth analysis of such topics as organized crime, white collar crime, drugs, and criminality of women.

CRIMINAL JUSTICE 402 -Criminal Law II. (5-0-5). Spring. Prerequisite: Criminal Justice 201.

Problems will be drawn from the procedural aspects of constitutional law and explored in the context of the current friction between the values of order and individual liberty.

CRIMINAL JUSTICE 403 -Judicial Process. (5-0-5). Winter.

Courts as political subsystems in comparative perspective. Judicial decision-making and the development of public policy through the judicial process.

CRIMINAL JUSTICE 404 -Law Enforcement II. (5-0-5). Summer.
Prerequisite: Criminal Justice 101.

An intensive study of problems such as abortion, homosexuality, suicide, drug addiction and capital punishment.

CRIMINAL JUSTICE 405 -Seminar in Criminal Justice. (5-0-5). Spring. Prerequisites: Criminal Justice 401, 403, 404, or the consent of the instructor.

An intensive study of selected topics relative to the concept of criminal justice.

CRIMINAL JUSTICE 408 -Directed Research in Criminal Justice. (5-0-5). Offered on Demand.

A course designed to provide qualified students the opportunity to perform suitable and meaningful research into some area of criminal justice under the direction of the instructor. Open only by invitation of the instructor.

DENTAL HYGIENE

(See listing under Department of Allied Health Services)

ECONOMICS

(See listing under Department of Business Administration)

DEPARTMENT OF EDUCATION

Professor William W. Stokes, Head; Associate Professor Browning; Assistant Professors Boney, Lentini, Newberry, Rundbaken, and Ward; Instructor Reed.

The purpose of the Department of Education is to coordinate the college-wide programs of teacher education and to offer professional courses for the pre-service and in-service preparation of teachers. For specific requirements of the teacher education programs offered by the college, see "Teacher Education" under "Degree Programs."

Course Offerings

EDUCATION 99 -Reading. (3-4-0). Every Quarter.

Developmental and remedial reading for students who wish to improve their reading skills. Each student's degree of reading efficiency is diagnosed and a program structured to his individual needs is planned and conducted. Continuous diagnosis alters instruction daily.

EDUCATION 203 -Orientation to Teaching. (5-0-5). Each quarter.

The study of the status of education and of teaching as a profession. The student engages in directed self-study and plans for the achievement of his professional goals.

EDUCATION 301 -Child Development and the Educative Process (2-8-5). Fall, Winter, Spring.

A study of the developmental learning characteristics of pupils in relation to ways in which the school environment may elicit further development. Students attend seminars on campus and serve as junior professionals in selected elementary schools. Enrollment limited to 12 students per section. Prerequisite: Education 203.

EDUCATION 425 -The Teaching of Reading. (5-0-5). Each quarter.

The teaching of reading including methods, techniques, and materials. Prerequisite: Admission to Teacher Education.

EDUCATION 434 -Methods and Curriculum of Elementary Science. (5-0-5). Winter and Summer.

Provides prospective teachers with a better concept of the meaning of science, processes for translating this concept into classroom practice and a variety of ways for helping children learn science, with special emphasis on the kind of inquiry that engages them in the processes of discovery.

EDUCATION 435 -Elementary School Curriculum. (5-0-5). Each quarter.

The study of existing instrumental programs and experiences in curriculum design. Directed observation. Prerequisite: Edu. 301 and Psy. 301, or permission of the instructor. Corequisite: Edu. 436.

EDUCATION 436 -Elementary School Methods. (5-0-5). Each quarter.

The study and evaluation of teaching methods, materials, and equipment in the various teaching fields. Actual unit development in preparation for student teaching. Prerequisite: Edu. 301 and Psy. 301, or permission of the instructor. Corequisite: Edu. 435.

EDUCATION 437 -Secondary School Curriculum and Method General. (5-0-5). Fall, Winter.

The study of secondary school curriculum with emphasis upon materials and methods of teaching. Directed observation. Prerequisite: Admission to Teacher Education and Psy. 301.

EDUCATION 438 -Secondary School Curriculum and Method Business Education. (5-0-5). Fall.

The study of secondary school business education curriculum with emphasis upon materials and methods of teaching business education. Directed observation. Prerequisite: Admission to Teacher Education and Psy. 301.

EDUCATION 439 -Secondary School Curriculum and Method English. (5-0-5). Fall, Spring.

The study of secondary school English curriculum with emphasis upon materials and methods of teaching English. Directed observation. Prerequisite: Admission to Teacher Education and Psy. 301.

EDUCATION 440 -Secondary School Curriculum and Method Social Science. (5-0-5). Fall, Spring.

The study of secondary school social science curriculum with emphasis upon materials and methods of teaching social science. Directed observation. Prerequisite: Admission to Teacher Education and Psy. 301.

EDUCATION 441 -Secondary School Curriculum and Methods, Mathematics. (5-0-5). Offered on demand.

The study of secondary school mathematics curriculum with emphasis upon materials and methods of teaching mathematics. Directed observations. Prerequisite: Admission to Teacher Education, Psychology 301, and 12 hours of 300 or 400 level mathematics courses. Prerequisite: Mathematics 311, Mathematics 336.

EDUCATION 446, 447, 448 -Student Teaching. (15 quarter hours). Fall, Winter, Spring.

Students are placed in selected schools for one quarter as full time student staff members. No additional credit hours may be earned while student teaching. Classroom teaching experiences and other staff responsibilities are jointly supervised by the college staff, supervising teachers, and principals in the selected schools. Prerequisite: See "Teacher Education" section under "Degree Programs."

RELATED PROFESSIONAL COURSES OFFERED IN OTHER DEPARTMENTS

ART 320 -Art for the Elementary Teacher. (4-2-5).

A study of materials and methods for teaching art at the elementary school level. Prerequisite: Admission to Teacher Education.

ENGLISH 331 -Children's Literature. (5-0-5).

The literary genres usually emphasized in elementary and secondary schools will be studied. The primary purpose of this course will be to consider how literature may both stimulate the child and cater to his interest as well. Secondary purposes will be the consideration of critical techniques, methodology, and overall usefulness of materials studied. Prerequisite: Admission to Teacher Education.

MATHEMATICS 391 -Basic Ideas of Arithmetic. (5-0-5). Prerequisite: Mathematics 190 or its equivalent.

Fundamental concepts of arithmetic as they relate to the elementary school; current elementary school methods and materials used in arithmetic instruction.

MATHEMATICS 392 -Basic Ideas of Geometry. (5-0-5). Prerequisite: Mathematics 190 or its equivalent.

Fundamental concepts of geometry as they relate to the elementary school; current elementary school methods and materials used in geometry instruction.

MUSIC 320 -Music for the Elementary Teacher. (5-0-5).

An introduction to music skills and materials for the elementary classroom teacher. Prerequisite: Admission to Teacher Education.

PHYSICAL EDUCATION 320 -Health and Physical Education for the Elementary Teacher. (5-0-5).

An introduction to the teaching of health and physical education for the elementary teacher. Prerequisite: Admission to Teacher Education.

PSYCHOLOGY 301 -Educational Psychology. (5-0-5).

The application of behavioral science to the problems of learning in the classroom. Prerequisite: Psychology 101 and Admission to Teacher Education.

LIBRARY SCIENCE

LIBRARY SCIENCE 320 -Cataloging and Classification of School Library Materials. (5-0-5). Offered on demand.

Introduction to the basic principles of cataloging and classification of books and audiovisual materials through the use of Dewey and Library of Congress classification. The card catalog, shelf list, physical procession, and procedure for ordering and using printed cards will be studied.

LIBRARY SCIENCE 410 -Materials Selection. (5-0-5). Offered on demand.

Selection and evaluation of books and non-book materials; emphasis on these which meet curriculum needs and interest, and which represent various levels of difficulty; ways of stimulating their use. Attention will be given to selection aids and reading guidance.

LIBRARY SCIENCE 420 -School Library Administration and Organization. (5-0-5). Offered on demand.

Basic organization of books, non-book materials, and services for effective use in school libraries. Administering the budget, purchase of materials, personnel, circulation, inventory, weeding, and instruction in the use of library materials will be considered. Examination of the improvement of instruction by correlating library use with school curricula.

LIBRARY SCIENCE 310 -Reference Materials. (5-0-5). Offered on demand.

Study and evaluation of basic reference sources for effective reference service in elementary and secondary schools. Designed to give the student a working knowledge of a library as an information and resource center.

SPEECH CORRECTION

SPECIAL EDUCATION 305 -Introduction to Exceptional Children. (5-0-5). Fall.

A study of the different kinds of exceptional children with emphasis on etiological factors, educational implications, and rehabilitation requirements. Primary consideration will be given to general discussions of mental retardation, emotional and social disturbances, visual and hearing impairments, physical handicaps, and speech and language disorders.

SPECIAL EDUCATION 310 -Survey of Speech Problems. (5-0-5). Fall.

A study of the major etiology and basic therapy for all types of speech defects, with a concentration on those most commonly found in the classroom. The content of this course is designed for the speech correction major as well as the classroom teacher who wishes to become informed about speech problems. Observations of therapy for speech problems which relate to the course.

SPECIAL EDUCATION 315 -Language Development. (5-0-5). Winter.

The study of normal language development with emphasis on oral language. This course includes the relationship between speech and language, developmental scales that trace language growth across various age levels, and implications of delayed speech and language. Observations of therapy for speech problems which relate to the course.

SPECIAL EDUCATION 320 -Psychology of Speech. (5-0-5). Winter.

Basic principles of psychology as they apply to speech, with emphasis on learning, motivation, emotions, intelligence, personality, social relations, and psychological effects of speech disorders. Observations of therapy for speech problems which relate to the course.

SPECIAL EDUCATION 325 -Phonetics for Speech Correctionists. (2-6-5). Spring.

Deals with the use of the International Phonetic Alphabet (IPA) in speech correction. IPA transcription of normal and defective articulation and the important characteristics of regional dialects are stressed.

SPECIAL EDUCATION 330 -Anatomy and Physiology of the Speech and Hearing Mechanism. (5-0-5). Spring.

Anatomy and physiology of the head, neck, and thorax from a speech and hearing standpoint. Special emphasis is placed on functional considerations of the respiratory system, larynx, oral and nasal structures, and ear.

SPECIAL EDUCATION 335 -Speech Science. (3-4-5). Fall.

Speech communication from a psychophysical standpoint. Study focuses on acoustics, physics of speech, transmission media, and physical analysis of speech.

SPECIAL EDUCATION 410 -Group Processes and Practicum. (3-4-5). Fall.

Introduces the student to the organization and administration of public school speech therapy programs and focuses on the characteristics, analysis, and evaluation of task oriented small group behavior and interaction, with emphasis on children's speech correction groups. Supervised clinical practice.

SPECIAL EDUCATION 415 -Articulation Problems. (2-6-5). Winter.

A study of the etiology, rationale, and methods of therapy for disorders of articulation. The course includes the development of therapeutic program, lesson plans, and supervised clinical practice. Prerequisite: Special Education 325.

SPECIAL EDUCATION 420 -Audiometry. (2-6-5). Winter.

The measurement of normal and defective hearing with the pure tone audiometer. Particular attention focuses on recording hearing thresholds, audiogram interpretation, and the pathologies that cause hearing loss. Students are also familiarized with speech audiometry and special audiometric equipment and techniques. Supervised clinical practice. Prerequisites: Completion of 300-level sequence in speech correction, Admission to Teacher Education.

SPECIAL EDUCATION 445 -Aural Rehabilitation. (2-6-5). Spring.

The study of theories and methods involved in speech reading, auditory training, and speech conservation for the hearing impaired. The importance of the conservation of hearing is also stressed. Supervised clinical practice. Prerequisite: Special Education 410.

ENGINEERING

(See listing under Department of Mathematics)

DEPARTMENT OF ENGLISH, SPEECH, AND PHILOSOPHY

Professor Hugh Pendexter III, Head; Professors Anchors, Killorn, Seale, Strozier; Associate Professor Jones; Assistant Professors Brooks, Brown, Jenkins, Ramsey, Suchower, Welsh, and White. Teaching Associate Johns.

DEPARTMENTAL REQUIREMENTS FOR THE MAJOR IN ENGLISH

A student majoring in English must complete at least 40 hours of upper-division courses (300-400 level) in the major field, of which at least 15 hours must be on the 400-level. A major program must include at least one of the starred courses in each of the following groups:

- Shakespeare (404*)
- I. English Literature before 1660 (300*, 301*, 302*, 320*, 402, 403)
- II. English Literature after 1660 (303*, 304*, 305*, 306*, 307*, 311, 312, 316, 322)
- IV. American Literature (308*, 309*, 310*, 313, 315, 322)
- V. a. English Language (324*, 325*, 410*)
- or b. Comparative Literature (350*, 351*, 353*, 354*, 355*, or English 322*)
- or c. Speech (for Speech majors) (341*, 345*, 346*)

The major shall select one area of specialization from groups II-V and complete at least two additional courses in that area (starred or instarred). English 400, 401, 490, and 491 may, depending on the subject, be counted in any area of specialization.

The major program must also include proficiency in foreign language equivalent to courses 101 through 201, and 25 quarter hours of courses, approved by the major department, from these related fields: literature in a foreign language, history, philosophy, art, music, speech. Those concentrating in speech should include among their related-field courses, Speech 227 (5 hrs.) and 228 and two courses in dramatic literature either in English or in a foreign language. Students concentrating in Comparative Literature should take as many of their related field courses as possible in foreign literature in the original language.

Course Offerings

ENGLISH

Students will be assigned to freshman English according to results of tests taken before the beginning of the term.

ENGLISH 99 -Fundamentals of Composition. (3-4-0). Offered every quarter.

This is the study and practice of sentence and paragraph structure. Students must learn to write clearly, logically, coherently, and correctly. In the 2-hour writing laboratory, they practice composition.

ENGLISH 121 -Composition and Non-Fiction. (5-0-5). Offered every quarter.

Assignment to this course is based upon entrance test results or upon successful completion of English 99. The instruction focuses upon rhetoric, organization of ideas, and techniques of reading.

ENGLISH 122 -Composition and Introduction to Prose Fiction. (5-0-5). Offered every quarter. Prerequisite: English 121, English 110, or English 103.

The documented term paper is included in this course.

ENGLISH 221 -Composition and Introduction to Poetry and Drama. (5-0-5). Offered every quarter. Prerequisite: English 122 or English 104.

ENGLISH 222 -Masterpieces of Literature. (5-0-5). Offered every quarter. Prerequisite: English 221.

This course is prerequisite to all 300 and 400-level courses in English.

ENGLISH 103 -Honors Composition. (5-0-5). Fall.

Instruction in this course will not follow the traditional lecture method only; the students will read widely and write a research paper (or papers) in the fashion which the instructor thinks will best discipline them for independent study. This course replaces English 121 for selected students.

ENGLISH 104 -Honors Composition and Introduction to Literature. (5-0-5). Prerequisite: English 103 or a grade of "A" in English 121. Winter.

In this course the students will read more extensively than for English 122 and will write critical papers.

ENGLISH 110 -English as a Second Language. (5-0-5). Offered on demand.

This course is designed to prepare students whose native language is not English to do the normal college composition work. Students who pass this course are eligible for English 122. Admission by permission of the instructor.

ENGLISH 300 -Early English Literature: Beginnings through 1485. (5-0-5). Offered Fall, 1972-73.

ENGLISH 301 -Renaissance 1485-1603. (5-0-5). Offered Winter, 1971-72.

ENGLISH 302 -17th Century: 1603-1660. (5-0-5). Offered Winter, 1972-73.

ENGLISH 303 -Restoration. (5-0-5). Offered Spring, 1972-73.

ENGLISH 304 -18th Century. (5-0-5). Offered Spring, 1971-72.

ENGLISH 305 -19th Century I: Romantic. (5-0-5). Offered Fall, 1971-72.

ENGLISH 306 -19th Century II: Victorian. (5-0-5). Offered Fall, 1972-73.

ENGLISH 307 -20th Century British. (5-0-5). Offered Winter, 1971-72.

ENGLISH 308 -American I: Beginnings through Cooper. (3-0-3). Offered Summer, 1971.

ENGLISH 309 -American II: Emerson through Twain. (5-0-5). Offered 1972-73.

ENGLISH 310 -American III: Rise of Naturalism to the present. (5-0-5). Offered 1971-72.

ENGLISH 311 -British Novel I: Beginnings through Austen. (3-0-3). Offered Summer, 1971.

ENGLISH 312 -British Novel II: Scott through Hardy. (5-0-5). Offered 1971-72.

ENGLISH 316 -British Novel III: Conrad through present. (5-0-5). Offered 1972-73.

ENGLISH 313 -American Novel I: Beginnings through James. (5-0-5). Offered 1972-73.

ENGLISH 315 -American Novel II: Naturalists to present. (5-0-5). Offered 1971-72.

ENGLISH 320 -British Drama: Beginnings to 1640. (5-0-5). Offered 1971-72.

ENGLISH 322 -Modern British, American, and Continental Drama: Ibsen to the present. (5-0-5). Offered 1972-73.

ENGLISH 324 -Introduction to Linguistics. (5-0-5). Offered Fall, 1971-72.

ENGLISH 325 -Advanced Grammar: Generative-Transformational Grammar. (5-0-5). Prerequisite: English 324. Winter.

ENGLISH 331 -Children's Literature (does not apply toward English major). (5-0-5). Offered on demand.

ENGLISH 340 -Advanced Composition. (5-0-5).
The study of expository and report techniques. Prerequisite: English 221 or consent of instructor (does not apply toward English major).

ENGLISH 341 -Business and Technical Writing. (5-0-5). Offered on demand.

Business and technical letter and report writing. Prerequisite: English 221 or consent of instructor. (Does not apply toward English major.)

ENGLISH 342 -Creative Writing. (5-0-5). Prerequisite: English 222 or consent of instructor. Offered on demand.

ENGLISH 400 -Seminar. ((1-5)-0-(1-5)). Offered on demand.

ENGLISH 401 -Seminar. ((1-5)-0-(1-5)). Offered on demand.

ENGLISH 402 -Milton. (5-0-5). Alternate years. Spring.

ENGLISH 403 -Chaucer. (5-0-5). Alternate years. Spring.

ENGLISH 404 -Shakespeare. (5-0-5). Fall.

ENGLISH 410 -History of the English Language. (5-0-5). Offered Spring, 1971-72.

ENGLISH 490 -Independent Study. ((1-5)-0-(1-5)). Offered on demand.

ENGLISH 491 -Independent Study. ((1-5)-0-(1-5)). Offered on demand.

COMPARATIVE LITERATURE

COMPARATIVE LITERATURE 314 -Continental Novel. (5-0-5). Offered 1972-73.

COMPARATIVE LITERATURE 317 -Ancient Epic and Lyric. (5-0-5). Offered 1972-73.

COMPARATIVE LITERATURE 318 -Ancient Drama. (5-0-5). Offered 1971-72.

COMPARATIVE LITERATURE 332 -Medieval and Renaissance Continental Literature. (5-0-5). Offered 1972-73.

COMPARATIVE LITERATURE 333 -Modern Continental Literature. (5-0-5). Offered 1971-72.

SPEECH

SPEECH 227 -Theatre Laboratory. (0-3-1). Offered every quarter.

Practical experience in theatre. The student will work on the Masquers' production of the quarter. Only one hour's credit may be earned per quarter. The maximum total credit allowed in Theatre Laboratory is five quarter hours.

SPEECH 228 -Fundamentals of Speech. (5-0-5). Prerequisite English 121. Offered every quarter.

Practice and theory of oral communication. Each student makes several major speeches. The physiology of the speech mechanism is covered, and articulation is studied within the framework of the International Phonetic Alphabet.

SPEECH 341 -Oral Interpretation. (5-0-5). Fall.

A practical course in the oral interpretation of poetry and prose. The techniques of literary analysis are stressed along with the vocal techniques needed to communicate an author's mood and meaning.

SPEECH 345 -History of the Theatre. (5-0-5). Winter.

A survey of theatrical art from its beginning to the present day. The course emphasizes the development of the physical theatre.

SPEECH 346 -Play Production. (5-0-5). Spring.

A course in the theory and practice of acting and directing, with special attention to image-making on stage. Individuals under supervision prepare and execute the production of scenes and short plays.

PHILOSOPHY

PHILOSOPHY 201 -Introduction to Philosophy. (5-0-5). Fall, Winter, Spring.

The fundamentals of philosophy, the meaning and function of philosophy, the vocabulary and problems of philosophy, and the relation of philosophy to art, science, and religion. Includes a survey of the basic issues and major types of philosophy and shows their sources in experience, history, and representative thinkers.

PHILOSOPHY 301 -History of Philosophy: Ancient and Medieval (5-0-5). Fall.

An historical introduction to philosophy; tracing the development of European philosophy from the early Greeks through the Middle Ages, with emphasis on selected works of major philosophers.

PHILOSOPHY 302 -History of Philosophy: Modern. (5-0-5). Winter. European philosophy from the Renaissance through Kant, emphasizing selected works of major philosophers.

PHILOSOPHY 303 -19th and 20th Century Philosophy. (5-0-5). Prerequisite: Philosophy 201, 301, or 302. Spring.

A study of the major philosophers in philosophical movements of the 19th and 20th centuries.

PHILOSOPHY 320 -Introduction to Oriental Philosophy. (5-0-5). Fall.

JOURNALISM

JOURNALISM 227 -Journalism Laboratory. (0-3-1). Offered on demand.

Practical experience in journalism. Students will work under instruction on the college newspaper staff. Only one hour's credit may be earned per quarter. The maximum total credit allowed in Journalism Laboratory is five quarter hours. Admission by permission of the instructor.

ENTOMOLOGY

(See listing under Department of Biology)

DEPARTMENT OF FINE ARTS

Professor Harry Persse, Head; Associate Professor Lawson; Assistant Professor McKinnell

DEPARTMENTAL REQUIREMENTS FOR THE MAJOR IN MUSIC

The Bachelor of Arts Degree with a Major in Music

The college offers the Bachelor of Arts degree with a major in music. Within this degree program the student may choose a concentration from the areas of performance, music literature, or music theory.

In addition to satisfying the requirements of the core curriculum for the bachelor of arts degree, those majoring in music will complete the following program:

Lower division courses:

Music Theory 110, 111, 112	6
Sightsinging 101, 102, 103	3
Music Theory 210, 211, 212	6
Sightsinging 201, 202, 203	3
Applied Music 140, 141, 142	6
Applied Music 240, 241, 242	6

30

Upper division courses:

Music History 310, 311

Music Theory 312, 412

Applied Music 340, 341, 342

Applied Music 440, 441, 442

Additional courses in music may be elected by the student, but not more than seventy hours in the major field may be applied toward the degree.

In addition to the above, the program must include fifteen to thirty hours of approved electives in related fields.

Course Offerings

ART

ART 101 -Basic Design and Drawing. (3-4-5). Alternate years.

An introduction to the principles of design and the means and materials of drawing.

ART 102 -Basic Design and Drawing. (3-4-5). Alternate years.

A continuation of Art 101.

ART 103 -Basic Design and Drawing. (3-4-5). Alternate years.

A continuation of Art 102.

ART 200 -Introduction to the Visual Arts. (5-0-5). Fall, Winter.

The study of theories of art and their application in master-works of art from all ages, directed toward increasing the understanding and enjoyment of art for the non-art major. Not recommended for students who have credit for Art 291.

ART 201 -Drawing and Painting. (0-6-3). Alternate years.

Drawing and painting from various figures, animals, and objects employing various materials and media.

ART 202 -Drawing and Painting. (0-6-3). Alternate years.

A continuation of Art 201.

ART 203 -Drawing and Painting. (0-6-3). Alternate years.

A continuation of Art 202.

ART 290 -History of Art. (5-0-5). Offered on demand.

A survey of world art from ancient times through the Baroque.

ART 291 -History of Art. (5-0-5). Offered on demand.

A survey of world art from the end of the seventeenth century to the present. Not recommended for students who have credit for Art 290.

ART 320 -Art for the Elementary Teacher. (4-2-5). Fall, Winter.

A study of materials and methods for teaching art at the elementary school level.

ART 301 -Ceramics. (3-4-5). Offered on demand.
 An introductory course in the fundamentals of pottery, clay, modeling, glazing and firing methods.

ART 302 -Ceramics. (2-3-5). Offered on demand.
 A continuation of Art 301 with emphasis on the potter's wheel and the study of glazed materials.

ART 303 -Ceramics. (3-4-5). Offered on demand.
 A continuation of Art 302 with emphasis on the potter's wheel and an introduction to elementary ceramic technology.

Course Offerings

MUSIC

Theoretical Courses

MUSIC 101 -Sight Singing. (2-0-1). Fall.
 A study of sight singing techniques applied to diatonic materials.

MUSIC 102 -Sight Singing. (2-0-1). Winter.
 A continuation of Music 101.

MUSIC 103 -Sight Singing. (2-0-1). Spring.
 A continuation of Music 102.

MUSIC 110 -Music Theory and Eartraining. (2-1-2). Fall.
 An introduction to the basic theoretical principles of music and eartraining.

MUSIC 111 -Music Theory and Eartraining. (2-1-2). Winter.
 A continuation of Music 110.

MUSIC 112 -Music Theory and Eartraining. (2-1-2). Spring.
 A continuation of Music 111.

MUSIC 201 -Sight Singing. (2-0-1). Fall.
 A study of sight singing techniques applied to chromatic materials.

MUSIC 202 -Sight Singing. (2-0-1). Winter.
 A continuation of Music 201.

MUSIC 203 -Sight Singing. (2-0-1). Spring.
 A continuation of Music 202.

MUSIC 210 -Music Theory and Eartraining. (2-1-2). Prerequisite: Music 112. Fall.
 A continuation of the study of music theory introducing modulation and chromatic material.

MUSIC 211 -Music Theory and Eartraining. (2-1-2). Winter.
 A continuation of Music 210.

MUSIC 212 -Music Theory and Eartraining. (2-1-2). Spring.
 A continuation of Music 211.

MUSIC 312 -Form and Analysis. (3-0-3). Offered on demand.
 The study of the formal principles of music as exemplified in musical works of the various style periods.

MUSIC 320 -Music for the Elementary Teacher. (5-0-5). Winter Summer.

An introduction to music skills and materials for the elementary classroom teacher.

MUSIC 350 -Conducting. (3-0-3). Offered on demand.

An introduction to the problems and techniques of conducting.

MUSIC 411 -Counterpoint. (3-0-3). Offered on demand.

A study of the contrapuntal techniques of Renaissance music.

MUSIC 420, 421 -Piano Pedagogy. (2-0-2). Offered on demand.

Introduction to techniques of piano instruction from the elementary through the advanced levels.

MUSIC 450 -Orchestration. (3-0-3). Offered on demand.

An introduction to the techniques of scoring for instrumental ensembles and the orchestra.

HISTORY AND LITERATURE COURSES

MUSIC 200 -Introduction to Music Literature. (5-0-5). Fall, Spring.

A course designed to help the student understand and enjoy fine music by analysis of form, style and the media of musical expression from the great periods of musical art. Not open to music majors.

MUSIC 310 -Music History. (5-0-5). Prerequisite: One year of music theory or permission of the instructor. Alternate years.

The history of music in Western civilization from its origins through the Baroque period.

MUSIC 311 -Music History. (5-0-5). Prerequisite: One year of music theory or permission of the instructor. Alternate years.

The history of music in Western civilization from the Baroque period to the present.

MUSIC 422 -Opera Literature. (3-0-3). Offered on demand.

A study of operatic masterpieces from the origin of the form to the present.

MUSIC 490 -Independent Study. (1 to 5 hours). Offered on demand

ENSEMBLE COURSES

MUSIC 250 -Music Ensemble. (0-3-1).

Band, orchestra, chorus or ensemble. Open to qualified students. One hour per quarter to a maximum of six. May be used as an approved elective for the major in music.

APPLIED MUSIC COURSES

Applied music courses consist of one or two twenty-five minute private lessons per week. A special fee of \$24.00 for one lesson or \$48.00 for two lessons per week is charged quarterly to students not

majoring in music and to music majors enrolled for less than ten hours credit or enrolled for applied music courses in addition to those required in the music program.

To receive credit towards satisfaction of the applied music requirement in the music program, a student should have met the entrance requirements for proficiency in his principal instrument. Credit in a secondary instrument may not be used to satisfy this requirement.

In the following system replacing the third digit by a letter (A,B,C) indicates credit in a secondary instrument.

MUSIC 130, 131, 132, 230, 231, 232; 330, 331, 332; 430, 431, 432 - Applied Music.

One hour credit per quarter. One twenty-five minute private lesson per week.

MUSIC 140, 141, 142; 240, 241, 242; 340, 341, 343; 440, 441, 442 - Applied Music.

Two hours credit per quarter. Two twenty-five minute private lessons per week.

DEPARTMENT OF FOREIGN LANGUAGES

Professor William Easterling, Head; Professor Lubs; Assistant Professor Noble.

FRENCH*

Departmental Requirements for the Major in French

A student majoring in French must complete at least 40 quarter hours of French beyond French 202. This program includes successful completion of one quarter's study (15 quarter hours) in France with the University System of Georgia Study Abroad Program. The Department of Foreign Languages of Armstrong State College reserves the right to test a returning student on any or all material covered during the student's quarter in France. "Material covered" includes information a student should have acquired in scheduled museum visits or other field trips, geography of France, and any other information which might be included under the heading of general culture.

An additional thirty quarter hours are required in a related area. It is recommended that related courses be taken from the following:

1) Literature in a language other than French. This would include English, American, foreign or comparative literature. In the case

*Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7½ i.p.s.

- of foreign literature, it is strongly recommended that the course be taken in the original language.
- (2) History. It is naturally recommended that the bulk of courses be taken in French and European history.
 - (3) Foreign language other than French, preferably a non-Romance language, plus courses in linguistics, such as English 410.

Course Offerings

FRENCH 101-102-103 -Elementary French. (5-0-5) (5-0-5) (5-0-5). Offered each year.

A course for beginners. The approach is primarily oral, and daily practice with tape recordings is required.

FRENCH 201 -Intermediate French. (5-0-5). Offered each quarter. Prerequisite: Three quarters of college French or three years of high school French.

Further reading of texts, and oral and composition practice.

FRENCH 202 -Intermediate French. (5-0-5). Offered each quarter.

FRENCH 301 -French Literature of the Middle Ages and the Renaissance. (5-0-5). Offered alternate years.

FRENCH 302 -French Classical Drama. (5-0-5). Offered alternate years. Prerequisite: French 201.

Selected plays of Corneille, Moliere and Racine.

FRENCH 304 -French Literature of the 19th Century. (5-0-5). Offered alternate years. Prerequisite: French 201.

A study of Romantic prose, poetry, and drama, with lectures and discussions in French.

FRENCH 305 -French Literature of the 19th Century: Realism and Naturalism. (5-0-5). Offered alternate years.

FRENCH 351-352-353 -Study Abroad in France (15 hours credit).

This course is a summer quarter's residence and study in France in conjunction with the Study Abroad Program of the University System of Georgia. The program is offered in Dijon for a period of eight weeks. During this time the student will receive intensive instruction in language and culture and will be expected to engage in co-curricular activities sponsored by the University of Dijon and USG.

FRENCH 401 -French Literature of the Twentieth Century. (5-0-5). Prerequisite: French 201.

This course is a study of contemporary prose, poetry, and drama with lectures and discussions in French. This course, normally the last course in French that a student would take, includes a serious term paper of considerable magnitude to be written in French.

FRENCH 490 -Independent Study. (1-5)-0-(1-5). Offered on demand.

*GERMAN

GERMAN 101-102-103 -Elementary German. (5-0-5) (5-0-5) (5-0-5). Offered each year.

Elements of reading and writing; basic vocabulary; simple conversation; essentials of grammar.

GERMAN 201 -Intermediate German. (5-0-5). Fall. Prerequisite: three quarters of college German or three years of high school German.

Further reading of texts, oral and composition practice.

GERMAN 202 -Conversation and Composition. (5-0-5). Offered on demand. Prerequisite: German 201.

GERMAN 211 -Scientific German. (3-0-3). Offered on demand. Prerequisite: same as 201.

Readings in scientific and technical material with special attention to grammatical difficulties encountered in this literature.

GERMAN 304 -19th Century German Literature. (5-0-5). Offered on demand.

GERMAN 302 -German Literature of the Twentieth Century. (5-0-5). Offered on demand. Prerequisite: four quarters of college German, or an equivalent language background, to be determined by the instructor.

GERMAN 351-352-353 -Study Abroad in Germany. (15 hours credit).

This course is a summer quarter's residence and study in Germany in conjunction with the Study Abroad Program of the University System of Georgia. The program is offered in Germany for a period of eight weeks. During this time the student will receive intensive instruction in language and culture and will participate in University sponsored activities.

GERMAN 490 -Independent Study. (1-5)-0-(1-5). Offered on demand.

HEBREW

HEBREW 110 -Elementary Hebrew. (3-0-3). Offered on demand.

Mechanics of reading and writing; basic vocabulary; simple conversation; essentials of grammar.

HEBREW 111 -Elementary Hebrew. (3-0-3). Offered on demand. Prerequisite: Hebrew 110 or a satisfactory score on a placement examination.

Continuation of Hebrew 110.

Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7½ i.p.s.

HEBREW 112 -Elementary Hebrew. (4-0-4). Offered on demand.
Prerequisite: Hebrew 111 or a satisfactory score on a placement examination.

Developing fluency in conversation, grammar and composition.

(HEBREW 110, 111, 112 are not acceptable as fulfillment of the language requirement in the core curriculum.)

*SPANISH

SPANISH 101-102-103 -Elementary Spanish. (5-0-5) (5-0-5) (5-0-5).
Offered each year.

These courses are for the purpose of providing the student with the elements of Spanish reading, composition and conversation.

SPANISH 201 -Intermediate Spanish. (5-0-5). Fall. Prerequisite: Three quarters of college Spanish or three years of high school Spanish.

Further reading of texts and oral and composition practice.

SPANISH 351-352-353 -Study Abroad in Spain (15 hours credit).

This course is a summer quarter's residence and study in Spain in conjunction with the Study Abroad Program of the University System of Georgia. The program is offered in Salamanca for a period of eight weeks. During this time the students will receive intensive instruction in language and culture which will be complemented by a number of excursions.

FRENCH

(See listing under Department of Foreign Languages)

GEOGRAPHY

(See listing under Department of History and Political Science)

GERMAN

(See listing under Department of Foreign Languages)

HEALTH

(See listing under Department of Allied Health Services)

HEBREW

(See listing under Department of Foreign Languages)

*Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7½ i.p.s.

DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

Professor Roger K. Warlick, Head; Professors Beecher, Coyle, and Vu; Associate Professors Haunton, Lanier, McCarthy, Newman; Assistant Professors Boney, Clark, Comaskey, Duncan, Gross, Patterson.

DEPARTMENTAL REQUIREMENTS FOR THE MAJOR IN HISTORY

Students majoring in history should satisfy the basic college requirements for the Bachelor of Arts degree during the Freshman and Sophomore years. The minimum requirement in addition to History 114 and 115 for a major in history is forty quarter hours from history courses numbered 300 or above. In selecting courses for a major, the student may elect to emphasize the history of the United States, or the history of Europe, but he may not present a major exclusively in either of these areas.

Required courses: History 114, 115, and 300, but History 114 and 115 may not be counted in the forty quarter hours required for the major. History majors are advised to register for History 300 in the first quarter of their Junior year or in the first quarter after they elect to major in history.

The major program must also include proficiency in a foreign language equivalent to courses 101 through 201, and 25 quarter hours of courses, above the sophomore level, from these related fields: History of Art and Music, Economics, Literature, Philosophy, Political Science, and Sociology.

Course Offerings

HISTORY

HISTORY 114 -History of Western Civilization. (5-0-5). Offered each quarter.

A chronological survey of the main currents of political, social, religious, and intellectual activity in western civilization from the time of the ancient Mediterranean civilization to 1715.

HISTORY 115 -History of Western Civilization. (5-0-5). Offered each quarter.

A continuation of History 114 to the present.

HISTORY 251 -American History to 1865. (5-0-5). Offered each quarter.

A survey of the political, economic, and social history of the United States to the end of the Civil War.

HISTORY 252 -American History Since 1865. (5-0-5). Offered each quarter.

A survey of the political, economic, and social history of the United States from 1865 to the present.

HISTORY 300 -Problems in Historiography. (5-0-5). Summer and Fall.

A study of the nature and meaning of history, some of the problems involved in the writing and study of history, and selected interpretations.

HISTORY 320 -The Civilization of China and the Far East, Part I (5-0-5). Fall.

The history of East Asia civilization from ancient times through the eighteenth century, with emphasis on characteristic political, economic, and social developments.

HISTORY 321 -The Civilization of China and the Far East, Part II (5-0-5). Winter.

The history of East Asian nations from the nineteenth century to the present, with emphasis on political, social, economic, and intellectual developments.

HISTORY 322 -History of Japan. (5-0-5). Spring.

A survey of the history of Japan, with major emphasis placed upon the development of Japan since 1600.

HISTORY 323 -History of India and South Asia. (5-0-5). Spring.

A survey of the civilization of South Asia, with principal attention given to India and Pakistan since 1600.

HISTORY 329 -History of Russia to 1917. (5-0-5). Winter.

A survey of Russian history during the Kievan, Tartar, Muscovite and Imperial eras.

HISTORY 330 -Twentieth Century Russia. (5-0-5). Spring.

An examination of the forces leading to the downfall of Tsarist Russia, the Bolshevik Revolution, and the political, economic, and social history of the Soviet era.

HISTORY 341 -History of England, 1450-1690. (5-0-5). Fall.

Emphasis is given to the constitutional, religious, and economic developments, but social and intellectual phases are treated.

HISTORY 343 -Early Middle Ages, A.D. 333 - c. 1000. (5-0-5). Fall.

The history of Europe from the fall of the Roman Empire through the Carolingian period with special emphasis on the institutional developments which led to the emergence of stable kingdoms out of the chaos of the barbarian invasions.

HISTORY 344 -The High Middle Ages, c. 1000 - c. 1300. (5-0-5). Winter.

The history of Europe from c. 1000 to c. 1300 with emphasis on the struggle between church and state, the Crusade movement, and the

12th century intellectual renaissance, all of which profoundly influenced the development of the various medieval kingdoms.

HISTORY 345 -The Late Middle Ages and Renaissance. (5-0-5). Spring.

The history of Europe from c. 1300 to 1517 with emphasis on the political, cultural, and intellectual developments which transformed medieval society into Renaissance Man.

HISTORY 346 -Reformation Era. (5-0-5). Winter. Prerequisite: History 114 or equivalent.

A study of the controversial era emphasizing its major issues and movements, and their development through the Thirty Years War. Political, social, and economic, as well as religious facets of the upheaval will be considered.

HISTORY 347 -The French Revolution and Napoleon. (5-0-5). Fall.

The ideas and events of the Old Regime and the Enlightenment in France, with emphasis on the impact of the French Revolution and the career of Napoleon upon the major European nations.

HISTORY 348 -The History of Europe from 1815 to 1900. (5-0-5). Winter.

A study of the most important social, political, and intellectual directions of European history from the Congress of Vienna to the end of the nineteenth century.

HISTORY 350 -Europe in the Twentieth Century. (5-0-5). Spring.

A study of the major developments in Europe since 1900, with emphasis upon the origins and impact of the First and Second World Wars.

HISTORY 352 -Latin American History. (5-0-5). Offered on demand.

A survey of Latin American history and institutions including the conquest, the revolutionary movements, and the rise of dictatorship.

HISTORY 353 or SOCIOLOGY 353 -Perspectives on Black Experience in the United States. (5-0-5). Offered on demand.

Study of historic and current trends in selected frames of reference of experiences encountered by black people in the United States, emphasizing social movements and social change, urban and institutional processes, social values and personality formation.

HISTORY 354 -Social and Intellectual History of the United States since 1865. (5-0-5). Spring. Prerequisite: History 252.

An examination of political theory, social development, and the principal trends of American thought since 1865.

HISTORY 355 -Studies in American Diplomacy. (5-0-5). Summer and Winter. Prerequisite: History 252.

Studies of American objectives and policies in foreign affairs from colonial times to the present.

HISTORY 356 -American Constitutional History. (5-0-5). Fall.

A study of the origins, content, and expansion of the Constitution of the United States.

HISTORY 357 -The Old South. (5-0-5). Fall.

The colonial South through secession; development and operation of the plantation system; emergence of the ante-bellum social and political patterns of the region.

HISTORY 358 -The New South. (5-0-5). Spring.

Emphasis is placed upon the social, economic, and political readjustments of the late nineteenth century, and the impact of industrialism and liberalism in the twentieth century.

HISTORY 359 -Civil War and Reconstruction. (5-0-5). Winter.

The causes and significance of the American Civil War, with minor consideration of the military campaign; political, economic and social aspects of Reconstruction.

HISTORY 360 -Recent American History. (5-0-5). Winter.

The course covers twentieth century American History, with emphasis on political, economic, and social issues.

HISTORY 361 -Great Historians. (5-0-5).

The course is designed to acquaint the student with major historians and historical philosophies through individual reading under the direction of the instructor.

HISTORY 362 -Independent Study. (5-0-5). Offered each quarter. Admission will be subject to approval of the individual advisor and of the Head of the Department of History.

Designed to permit superior students to pursue individual research and reading in some field of history under the supervision of a member of the staff. Emphasis will be on wide reading, conferences with the adviser, and written reports and essays. Open only to seniors with a B average in history and in their overall work.

HISTORY 400 -Senior Seminar. (5-0-5). Winter, Spring. Admission by permission of department head.

Designed to permit superior students to pursue research and reading in some field of history under the supervision of the staff. Open only to seniors with a B average in history.

HISTORY 410 -Problems in Medieval History. (5-0-5). Offered on demand. Permission of instructor required.

A detailed analysis of a specific problem in medieval history by examination of primary materials.

GEOGRAPHY

GEOGRAPHY 111 -World Human Geography. (5-0-5). Fall.

A survey of world human geography, emphasizing population characteristics, topographic features, distribution of economic activities and geo-political problems within the major geographical regions. Consideration of adequacy of resources to support expanding world populations.

POLITICAL SCIENCE

DEPARTMENTAL REQUIREMENTS FOR THE MAJOR IN POLITICAL SCIENCE

Political Science majors must complete Political Science 200 and a minimum of forty quarter hours of upper-division courses (300-400 level) in the major field. The major program must include at least one course from each of the following groups:

American Political Institutions (300, 304, 305, 307)

I. Comparative Government (308, 309)

II. International Relations (306, 319, 320)

V. Political Theory (331, 332)

The student must complete a reasonable distribution of courses from the four areas listed above. Political Science 400 (Senior seminar) may be taken with permission of the Department Head.

The major program must also include proficiency in a foreign language equivalent to courses 101 through 201 (French or German is recommended for those contemplating graduate work), and 25 quarter hours of courses from these related fields: economics, psychology, history, geography, philosophy, sociology, and statistics.

Course Offerings

POLITICAL SCIENCE 113 -Government of the United States. (5-0-0). Offered each quarter.

A study of the structure, theory, and functions of the national government in the United States and some of the major problems of the state and local government.

POLITICAL SCIENCE 200 -Introduction to Political Science. (5-0-0). Fall.

This course deals with the area of political science as a discipline, and serves as an introduction to the systematic study of modern government. Attention is given to the role of politics in society; the nature and origins of the state; the nature and development of political institutions; the basis of political action; and the theories, forms, and processes of government. Required of all political science majors.

POLITICAL SCIENCE 300 -Political Behavior. (5-0-5). Fall. Prerequisites: Political Science 113 or equivalent, and Political Science 200.

This course emphasizes the economic, psychological, and social aspects of political behavior. It examines the concepts of power, roles, groups, elites, decision-making, political communications, and systems analysis. Consideration is also given to the basic theories, variables, and hypotheses used in empirical research in political science. Designed primarily for those students intending to go to graduate school.

POLITICAL SCIENCE 304 -Public Administration. (5-0-5). Winter. Prerequisite: Political Science 113 or equivalent.

This is a one-quarter course that is primarily concerned with organizational theory and bureaucratic behavior, whether public or private, but with an emphasis on the behavior of the bureaucracy of the national government. This course will also be concerned with the political process as it unfolds in the administration of laws enacted by the Congress.

POLITICAL SCIENCE 305 -State and Local Government. (5-0-5). Spring. Prerequisite: Political Science 113, or equivalent.

This course is concerned primarily with the political process and the behavior of political actors at the local and state levels of government, primarily in the United States. It is concerned with the techniques and research results of the relevant empirical literature that has evolved over the past 15 years in the field; i.e., local community studies of Floyd Hunter, Robert A. Dahl, and others.

POLITICAL SCIENCE 306 -International Law. (5-0-5). Spring.

An introduction to selected public international law topics including: recognition, state succession, jurisdiction, extradition, nationality, the law of treaties, the law of diplomacy, and the law of war.

POLITICAL SCIENCE 307 -Constitutional Law. (5-0-5). Spring. Prerequisite: Political Science 113, or equivalent.

A study of the development of the United States government through judicial interpretation of the Constitution. The case study method of analysis is used, but some attention is given also to recent behavioral writing on judicial decision-making.

POLITICAL SCIENCE 308 -Comparative Government: Western Europe. (5-0-5). Fall. Prerequisite: Political Science 113, or equivalent.

An analytical and comparative study of the major Western European governments, with principal emphasis upon the analysis of the conditions which led to effective and stable parliamentary government, and those which lead to the inefficiency, instability and break-down of such systems.

POLITICAL SCIENCE 309 -Comparative Government: Soviet Union. (5-0-5). Winter. Prerequisite: Political Science 113, or equivalent.

A continuation of Political Science 308, with emphasis on the political system of the U.S.S.R. and the Soviet bloc of nations in Eastern Europe.

POLITICAL SCIENCE 319 -International Relations. (5-0-5). Winter.

An introduction to the theories, forces, and practices dominating contemporary international relations.

POLITICAL SCIENCE 320 -International Relations: The Far East. (5-0-5). Spring.

POLITICAL SCIENCE 325 -International Organization. (5-0-5). Spring. Prerequisite: Political Science 113, or permission of instructor.

A survey of the development, principles, structure and functions of international organizations, with emphasis upon the role of these institutions in the maintenance of peace.

POLITICAL SCIENCE 331-332 -Political Theory. (5-0-5) (5-0-5). Fall, Winter.

An historical study of the development of ideas relative to the state and government from Socrates and Plato to the present. Attention is directed primarily to the political thought of a selected group of eminent philosophers. Political Science 331 (From Socrates to the 17th Century) is a prerequisite for Political Science 332 (From the 17th Century to the Present).

POLITICAL SCIENCE 400 -Senior Seminar. (5-0-5). Offered each quarter. Admission will be subject to approval of the department head.

Designed to permit superior students to pursue research and reading in some field of political science under the supervision of the staff. Open only to seniors with a B average in political science.

JOURNALISM

(See listing under Department of English, Speech, and Philosophy)

LIBRARY SCIENCE

Associate Professor Regina Yoast, Director;

Assistant Professors Ball, Brown, DeLegal

(See listing under Department of Education)

DEPARTMENT OF MATHEMATICS

Associate Professor Richard M. Summerville, Head; Professor Winn, Associate Professor Hinkel; Assistant Professors Semmes, Hansen, Brown, Findeis, Saunders, Sheffield, Eldredge.

DEPARTMENTAL REQUIREMENTS FOR THE MAJOR IN MATHEMATICS

The course requirements in mathematics for the Bachelor of Science degree with a mathematics major are:

1. Each of the four courses:

Mathematics 301,

Mathematics 311,

Mathematics 312,

Mathematics 316, and

2. Two of the four courses:

Mathematics 302,

Mathematics 303,

Mathematics 341,

Mathematics 342, and

3. Twelve quarter hours of approved mathematics electives at the 300-400 level (which cannot include Mathematics 391 or Mathematics 392).

A mathematics major must support his work in mathematics with fifteen quarter hours of approved elective courses in related fields (chemistry, physics, economics, philosophy, etc.) beyond the core curriculum requirements. Students are urged to complete as many of the general education (core curriculum) requirements as possible before entering their junior year.

Course Offerings*

MATHEMATICS

MATHEMATICS 99 -Basic Mathematics. (5-0-0). Fall, Winter, Spring. Prerequisites: None.

Pre-college work designed to remove deficiencies in mathematical background.

MATHEMATICS 101 -Pre-Calculus Mathematics I. (5-0-5). Fall, Winter, Spring. Prerequisite: Entrance requirements.

Sets; real numbers; equations and inequalities; functions and graphs; polynomial, exponential, and logarithmic functions.

MATHEMATICS 102 -Pre-Calculus Mathematics II. (5-0-5). Fall, Winter, Spring. Prerequisite: Mathematics 101 or permission of the department head.

Trigonometric functions; analytic trigonometry; systems of equations and inequalities; determinants; complex numbers; sequences; introduction to analytic geometry.

MATHEMATICS 104 -Analytic Geometry and Calculus I. (5-0-5). Fall, Spring. Prerequisite: Mathematics 102 or permission of the department head.

Analytic geometry; functions; limits; continuity; the derivative and its applications.

MATHEMATICS 190 -Introduction to Mathematics. (5-0-5). Fall, Winter, Spring. Prerequisite: Entrance requirements. (Not open to students who have already earned five or more quarter hours in mathematics.)

*Courses having a number whose middle digit is "9" are not open to mathematics majors.

A first course in basic arithmetic and algebraic concepts and techniques.

MATHEMATICS 195 -Elementary Applied Mathematics. (5-0-5). Fall, Winter, Spring. Prerequisite: Mathematics 190 or its equivalent. Not open to students who have successfully completed Mathematics 104 or its equivalent.)

A survey of elementary analytic, linear, and finite mathematics as they relate to commerce, business, and life situations.

MATHEMATICS 201 -Analytic Geometry and Calculus II. (5-0-5). Fall, Winter. Prerequisite: Mathematics 104.

The Riemann integral and its applications; differential and integral calculus of exponential, logarithmic, and trigonometric functions; techniques of integration.

MATHEMATICS 202 -Analytic Geometry and Calculus III. (5-0-5). Winter, Spring. Prerequisite: Mathematics 201.

Polar coordinates; conic sections; vectors in the plane; parametric equations; indeterminate forms; improper integrals.

MATHEMATICS 203 -Analytic Geometry and Calculus IV. (5-0-5). Fall, Spring. Prerequisite: Mathematics 202.

Three-dimensional vectors; solid analytic geometry; differential calculus of several variables; multiple integration; infinite series.

MATHEMATICS 220 -Elementary Statistics. (5-0-5). Fall, Winter, Spring. Prerequisite: Mathematics 190 or its equivalent.

Measures of central tendency and dispersion; probability distributions; inferences concerning means, standard deviations, and proportions; analysis of variance; correlation; regression.

MATHEMATICS 251 -Introductory Computer Programming. (2-2-3). Fall, Winter. Prerequisite: 10 quarter hours of mathematics or permission of the department head.

A mixed language approach (including CPS and FORTRAN) to the programming of digital computers. Development of fundamental algorithms and iterative techniques, and their applications to the solution of numerical problems.

MATHEMATICS 290 -Topics in Mathematics. (5-0-5). Fall, Winter, Spring. Prerequisite: Mathematics 190 or its equivalent.

A terminal course of selected topics designed to portray the history, philosophy, and aesthetics of mathematics, and to develop an appreciation of the role of mathematics in western thought and contemporary culture.

MATHEMATICS 301, 302, 303 -Fundamentals of Modern Analysis I, II, III. (3-0-3) each. 301-Spring; 302-Fall; 303-Winter. Prerequisite: Mathematics 203.

Rigorous construction of the real number system; functions of a real variable; Riemann-Darboux integration; the Stieltjes integral; sequences and series of numbers and functions; uniform convergence; Euclidean n -space; functions from E_m to E_n ; the inverse

and implicit function theorems; Riemann integration in high dimensions.

MATHEMATICS 311, 312, 313 -Abstract Algebra I, II, III. (3-0-3) each. 311-Fall; 312-Winter; 313 is not offered during the 1971-72 academic year. Prerequisite: Mathematics 203.

Classical topics in the elementary theory of groups, rings, and fields.

MATHEMATICS 316, 317 -Linear Algebra I, II. (3-0-3) each. 316-Fall; 317-Spring. Prerequisite for Mathematics 316: Mathematics 202. Prerequisite for Mathematics 317: Mathematics 312 and Mathematics 316.

Linear systems; vector spaces and linear transformations; matrices; determinants; normed linear spaces and inner product spaces.

MATHEMATICS 321, 322 -Probability and Statistics I, II. (3-0-3) each. 321-Winter; 322-Spring. Prerequisite for Mathematics 321: Mathematics 202. Prerequisite for Mathematics 322: Mathematics 202 and Mathematics 321.

Probability spaces; random variables; algebra of expectation; random sampling; the law of large numbers; correlation and regression.

MATHEMATICS 336, 337 -Modern Geometry I, II. (3-0-3) each. Not offered during the 1971-1972 academic year. Prerequisite for Mathematics 336: Mathematics 202. Prerequisite for Mathematics 337: Mathematics 203 and Mathematics 336.

A survey of selected topics from Euclidean, spherical, projective and finite geometry.

MATHEMATICS 341, 342, 343 -Analysis and Applications I, II, III (3-0-3) each. 341-Winter; 342-Spring; 343 is not offered during the 1971-1972 academic year. Prerequisite: Mathematics 203 and Mathematics 316.

Applied advanced calculus; vector analysis; ordinary differential equations; boundary value problems and methods of mathematical physics.

MATHEMATICS 353, 354 -Numerical Analysis I, II. (3-0-3) each. 353-Winter; 354-Spring. Prerequisite: Mathematics 203, Mathematics 251, and Mathematics 316.

Numerical methods with functional approximations; numerical integration and numerical solution of differential equations; numerical methods in linear algebra, matrix inversion, and estimation of characteristic roots.

MATHEMATICS 360 -Mathematical Logic. (3-0-3). Spring. Prerequisite: Mathematics 202.

The elementary predicate calculus; quantification; formal systems

MATHEMATICS 391 -Basic Ideas of Arithmetic. (5-0-5). Winter. Prerequisite: Mathematics 190 or its equivalent.

Fundamental concepts of arithmetic as they relate to the elementary school; current elementary school methods and materials used in arithmetic instruction.

MATHEMATICS 392 -Basic Ideas of Geometry. (5-0-5). Spring. Prerequisite: Mathematics 190 or its equivalent.

Fundamental concepts of geometry as they relate to the elementary school; current elementary school methods and materials used in geometry instruction.

MATHEMATICS 400 -Special Topics. ((1-5)-0-(1-5)). Offered by special arrangement. Prerequisite: Consent of the instructor and permission of the department head.

Individual readings and research under the direction of a member of the mathematics faculty.

MATHEMATICS 406, 407 -Functions of a Complex Variable I, II. (3-0-3) each. 406-Spring; 407 is not offered during the 1971-72 academic year. Prerequisite: Mathematics 301 or Mathematics 341.

Complex numbers; elementary functions and transformations; the Cauchy theory; conformal mapping; Riemann's mapping theorem.

MATHEMATICS 416, 417 -Theory of Numbers I, II. (3-0-3) each. 416-Fall; 417-Winter. Prerequisite: Mathematics 311.

Divisibility and congruence; quadratic reciprocity; Diophantine equations; number-theoretic functions and their applications; selected advanced topics from algebraic and analytic number theory.

MATHEMATICS 436, 437 -Topology I, II. (3-0-3) each. Not offered during the 1971-72 academic year. Prerequisite: Mathematics 301 and Mathematics 311.

Topological spaces and homeomorphisms; separability; compactness; connectedness; completeness; metrizability; introduction to homotopy theory.

MATHEMATICS 470 -History of Mathematics. (3-0-3). Not offered during the 1971-72 academic year. Prerequisite: Twelve quarter hours of 300-400 level courses in mathematics (excluding Mathematics 391 and Mathematics 392).

A survey of the development of mathematics from its empirical beginnings to its present state.

ENGINEERING

ENGINEERING GRAPHICS 113 -Graphics I. (0-6-2). Offered upon demand. Prerequisite: Entrance requirements.

Lettering; use of instruments; geometric construction; orthographic projection; concepts of descriptive geometry as applied to the solution of problems involving orthographic projection of solids.

ENGINEERING GRAPHICS 114 -Graphics II. (0-6-2). Offered upon demand. Prerequisite: Engineering Graphics 113.

Solution of problems involving points, lines, and planes by use of the revolution method; intersection of surfaces; warped surfaces; the development of surfaces.

ENGINEERING GRAPHICS 115 -Graphics III. (0-6-2). Offered upon demand. Prerequisite: Engineering Graphics 114.

Sections and conventions; dimensioning; pictorial representation of detailed sketches; shop processes; assembly drawings from detailed sketches; working pictorial sketches; introduction to charts and graphs; reproduction processes; ink tracing on cloth; graphical calculus.

TYPICAL BACHELOR OF SCIENCE DEGREE PROGRAM IN MATHEMATICS

	FALL QUARTER		WINTER QUARTER		SPRING QUARTER
FRESHMAN YEAR	Math 101	5	Math 102	5	Math 104
	English 121	5	English 122	5	English 221
	Lab. Science I	5	Lab. Science II	5	Mus. 201, Art 201
	P.E. 111	1	P.E. 112	1	or Phil. 201
					P.E. 113
		16		16	
SOPHOMORE YEAR	Math 201	5	Math 202	5	Math 203
	English 222	5	History 114	5	History 115
	Foreign Lang. I	5	Foreign Lang. II	5	Foreign Lang. III
	P.E. 2--	1	P.E. 2--	1	P.E. 2--
		16		16	
JUNIOR YEAR	Math 311	3	Math 312	3	Math 301
	Math 316	3	Math Elective*	3	Math Elective
	Rel. Fld. Elec.	5	Rel. Fld. Elec.	5	Rel. Fld. Elec.
	History 251 or 252	5	Political Sci. 113	5	Psych. 101, Econ. 202, or Soc. 201
		16		16	
SENIOR YEAR	Math Elective*	3	Math Elective*	3	Math Elective*
	Math Elective*	3	Math Elective*	3	Math Elective*
	Free Electives	10	Free Electives	10	Free Electives
		16		16	

*Two of these courses must be selected from among Mathematics 302, Mathematics 303, Mathematics 341, and Mathematics 342.

MUSIC

(See listing under Department of Fine Arts)

NURSING

(See listing under Department of Allied Health Services)

NUTRITION

(See listing under Department of Allied Health Services)

PHILOSOPHY

See listing under Department of English, Speech, and Philosophy)

DEPARTMENT OF PHYSICAL EDUCATION

Professor Roy J. Sims, Head; Assistant Professors Tapp (leave of absence), Alexander, and Bedwell; Instructors Kinder and Sanders.

During the freshman year, students should take Physical Education 111 (Fall), Physical Education 112 (Winter), and Physical Education 113 (Spring). During the sophomore year, students should elect any other three Physical Education courses. Students unable to participate in the regular program should plan an alternate program with the Head of the Department of Physical Education. For other department regulations, see "Physical Education Program" under Academic Regulations."

Course Offerings

PHYSICAL EDUCATION 111 -Conditioning Course. (0-3-1). Fall.
Consists of calisthenics, stunts and tumbling, lifts and carries, bad work, duel combatives, and simple games.

PHYSICAL EDUCATION 112 -Team Sports. (0-3-1). Winter.
Consists of two from the following: basketball, volleyball, and softball.

PHYSICAL EDUCATION 113 -Elementary Swimming. (0-3-1). Fall, Winter, and Spring. (Physical Education 202 or Physical Education 203 may be substituted for Physical Education 113).

PHYSICAL EDUCATION 115 - Officiating of Football. (1-3-2). Fall.

Consists of a study of rules, rules interpretation, and actual experience in officiating in class games, intramural games, approved community recreation games, and public school games. Elective credit. Students must have permission of the department head or course instructor to enroll.

PHYSICAL EDUCATION 116 -Officiating of Basketball. (1-3-2). Winter.

Consists of a study of rules, rules interpretation, and actual experience in officiating in class games, intramural games, approved community recreation games, and public school games. Elective credit except when substituted for Physical Education 112 (Team Sports). Students must have permission of the department head or course instructor to enroll. Only one of the officiating courses will satisfy a sophomore elective courses.

PHYSICAL EDUCATION 201 -Elementary Tennis. (0-2-1). Fall, Winter, and Spring.

PHYSICAL EDUCATION 202 -Senior Life Saving Course in Swimming. (0-2-1). Spring. (May be substituted for Physical Education 113).

PHYSICAL EDUCATION 203 -Water Safety Instructors' Course (1-2-1). Spring. (May be substituted for Physical Education 113). Prerequisite: Physical Education 202 or American Red Cross Senior Life Saving.

PHYSICAL EDUCATION 204 -First Aid. (3-0-1). Fall, Winter, and Spring.

The American Red Cross standard course in first aid.

PHYSICAL EDUCATION 205 -Folk Rhythms. (0-2-1). Winter.

PHYSICAL EDUCATION 206 -Beginning Modern Dance. (0-2-1). Winter.

PHYSICAL EDUCATION 208 -Golf or other Adult Recreative Sports. (0-2-1). Fall, Winter, and Spring.

Golf, ping-pong, pool, card games, chess, checkers, shuffleboard and other quiet games.

PHYSICAL EDUCATION 232 -Bowling. (0-2-1). Fall, Winter, and Spring.

PHYSICAL EDUCATION 233 -Badminton. (0-2-1). Fall, Winter, and Spring.

PHYSICAL EDUCATION 234 -Trampoline. (0-2-1). Fall, Winter, and Spring.

The student is taught the proper care and use of the trampoline. Under strict supervision, he learns to perform the following skill: seat drop, knee drop, front drop, back drop, pull over, cradle, turntable, swivel hips, spotting, and somersault.

PHYSICAL EDUCATION 236 -Intermediate Modern Dance. (0-2-1). Spring. Prerequisite: Physical Education 206.

A continuation of Physical Education 206 with emphasis on dynamics, composition, and choreography.

PHYSICAL EDUCATION 320 -Health and Physical Education for the Elementary School Teacher. (3-2-5). Fall and Winter.

PHYSICAL SCIENCE

(See listing under Department of Chemistry and Physics)

POLITICAL SCIENCE

(See listing under Department of History and Political Science)

DEPARTMENT OF PSYCHOLOGY AND SOCIOLOGY

Professor C. Stewart Worthington, Head; Assistant Professors Burns, Douglass, Lane, Ralston, and Satterfield; Instructors Mansford, Johnson, and Palefsky.

Students are advised to complete as many of the general degree requirements as possible before entering their junior year. Psychology majors should take Psychology 101-102 before the end of their sophomore year. Social Welfare majors should take S. W. 101 and Sociology 201 before the end of their sophomore year. Suggested course distributions and annual schedules are available in the departmental office.

PSYCHOLOGY

Major Field Requirements:

- A. All of the following: Psychology 102, 312, 410, 411, 412.
- B. Three of the following: Psychology 307, 308, 309, 319.
- C. Two of the following: Psychology 303, 305, 311.

Related Fields:

- A. Biology 101, 102.
- B. Mathematics 220.

I. Approved electives.

SOCIAL WELFARE

Major Field Requirements:

- A. All of the following: Social Welfare 101, 303, 309, 320, 404, 451, 452.
- B. Two of the following: Sociology 201, 305, 353, Social Welfare 406, Psychology 311.

Related Fields:

- A. Psychology 101, 305, 312.
- B. Economics 201.
- C. Political Science 305.
- D. Sociology 350.

I. Electives: Seven electives with two in the major.

ANTHROPOLOGY

ANTHROPOLOGY 201 -Man and His Culture. (5-0-5). Offered on demand.

An introduction to the study of man as a cultural animal, the development of human societies from preliterate beginnings, the rise of complex social organizations with an outline study of the major cultures developed by man.

PSYCHOLOGY

PSYCHOLOGY 101 -General Psychology. (5-0-5). Offered each quarter.

An introduction to the vocabulary, concepts, and methods of the science of behavior. Discussion and demonstrations assist in surveying all the areas of psychology. Psychology 101 is prerequisite for all other courses in the department.

PSYCHOLOGY 102 -Advanced General Psychology. (4-2-4). Prerequisite: Psychology 101. Spring and Fall.

An extension of the concepts introduced in Psychology 101. Experiments are designed to acquaint the student with the techniques of behavioral analysis.

PSYCHOLOGY 301 -Educational Psychology. (5-0-5). Prerequisite: Psychology 101. Fall and Winter.

The application of behavioral science to the problem of learning in the classroom. Primarily for teacher preparation.

PSYCHOLOGY 303 -Social Psychology. (5-0-5). Prerequisite: Psychology 101. Fall.

The study of the behavior of others as determinants of the behavior of the individual. The cultural milieu and group pressures will be examined in terms of their effects on behavior.

PSYCHOLOGY 305 -Developmental Psychology. (5-0-5). Prerequisite: Psychology 101. Winter and Spring.

A study of the origin and development of psychological processes. The effects of maturational, learning and social variables on human behavior are examined.

PSYCHOLOGY 307 -Perception. (4-2-5). Prerequisite: Psychology 101. Fall.

An experimental-theoretical approach to the nature of perception. Special attention is given to the psychophysical methods.

PSYCHOLOGY 308 -Learning and Motivation. (4-2-5). Prerequisite: Psychology 101. Winter.

An examination of the methodology and theory associated with the various forms of learning and their motivational concomitants.

PSYCHOLOGY 309 -Physiological Psychology. (4-2-5). Prerequisite: psychology 101 and Biology 101, 102. Spring.

Introduction to the biological bases of behavior. The structure and function of the nervous system are studied and related to the behavior of humans and other organisms.

PSYCHOLOGY 311 -Theories of Personality. (5-0-5). Prerequisite: psychology 101. Spring.

A study of selected personality theories with emphasis on normal behavior. Attention will be given to both experimental and clinical data. The determinants of personality structure and the development of personality will be examined from divergent points of view.

PSYCHOLOGY 312 -Measurement in Psychology. (5-0-5). Prerequisite: Psychology 101 and Math 220. Fall.

An examination of the theory of measurement. Reliability and validity techniques are discussed using current psychological tests as examples.

PSYCHOLOGY 319 -Animal Behavior. (4-2-5). Prerequisite: psychology 101. Winter.

A study of the adaptations and behaviors with which living organisms cope effectively with their environment. The laboratory will provide experience in animal care, training, and experimentation.

PSYCHOLOGY 320 -Industrial Psychology. (5-0-5). Prerequisite: psychology 101. Spring.

The applications of psychology to the problems of industry. Primarily for business majors.

PSYCHOLOGY 405 -Behavior Disorders. (5-0-5). Prerequisite: psychology 101. Winter.

A study of deviant behavior, types of behavior disorders, and methods of behavior modification. Application of principles derived from basic research will be emphasized.

PSYCHOLOGY 410 -History of Psychology. (5-0-5). Open only to psychology majors or by invitation of the professor. Fall.

A study of the basic ideas in psychology from early animism to modern behavioristics. Special attention is given to the philosophical basis at various times in the history of psychology.

PSYCHOLOGY 411 -Senior Seminar. (5-0-5). Open only to senior psychology majors or by invitation of the professor. Winter.

A reading and discussion group which will concentrate on selected contemporary issues in psychology. Specific content will vary from year to year.

PSYCHOLOGY 412 -Senior Seminar. (5-0-5). Open only to senior psychology majors or by invitation of the professor. Spring.

A reading and discussion group which will concentrate on selected contemporary issues in psychology. Specific content will vary from year to year.

PSYCHOLOGY 450 -Independent Study. (1-5)-0-(1-5). Open only by invitation of the professor. Offered on demand.

SOCIAL WELFARE

SOCIAL WELFARE 101 -Introduction to Social Welfare. (5-0-5) Offered each quarter.

A study of the origins and evolution of the American Social Welfare system, with emphasis on themes and patterns leading to the present system.

SOCIAL WELFARE 303 -Methods in Social Work. (4-2-5) Prerequisite: Social Welfare 101 or Sociology 201. Spring and Fall.

An examination of methodology in casework, group work, and community organization, with emphasis on interviewing and interpersonal communications.

SOCIAL WELFARE 309 -Group Process. (5-0-5). Prerequisite: Sociology 201 and Social Welfare 303. Exceptions made with approval of professor.

A course which utilizes the group experience documented by tape recorder, video tape and subjective perceptual comparison. It is designed to analyze behavior patterns, roles and interactions which occur within a group.

SOCIAL WELFARE 320 -Minority Groups. (5-0-5). Prerequisite: Social Welfare 101 or Sociology 201.

This course deals with the present and factual situation of minority groups in America. It will cover problems, causes, agency advocates, goals, and alternatives available to minority groups. Emphasis is on the American Negro with proportionate attention given to the American Indian, Puerto Rican, Mexican American and other sizeable minorities.

SOCIAL WELFARE 404 -Social Work and Law. (5-0-5) Prerequisites: Social Welfare 101 and Sociology 201. Exception made by approval of professor.

This course will familiarize the student with those aspects of the law which most directly affect the life of the client. Emphasis will be placed on civil rights, constitutional law, tenant-landlord, bankruptcy, family law, divorce, adoption and child support. Local attorneys will lecture and lead discussion periodically.

SOCIAL WELFARE 451 - Field Experience I (5 hours credit).

An experience for the student in applying his academic skills and knowledge for the purpose of delivering human service and in increasing his knowledge and ability. Each student is placed in the community under professional supervision. He will work primarily through social and health agencies which meet human needs. For Senior Social Welfare students only.

SOCIAL WELFARE 452 - Field Experience II (5 hours credit).

A continuation of Social Welfare 451. Each student will spend 8-10 clock hours per week in the field including on the job supervisory conferences. In addition there will be group supervision two hours weekly on the Armstrong campus. For Senior Social Welfare students only.

SOCIOLOGY

SOCIOLOGY 201 -Introductory Sociology. (5-0-5). Offered each quarter.

An introduction to the concept and methods of the science of human group behavior. Includes the study of socialization, the role of the individual in society, and the major institutions and processes.

SOCIOLOGY 305 -Criminology. (5-0-5). Prerequisite: Sociology 201. Fall and Winter.

A survey of the nature of crime, criminal statistics, and theories of criminal causation and control. An examination of crime as a social problem, the criminal, and theories of punishment, treatment and prevention.

SOCIOLOGY 350 -Social Problems. (5-0-5). Prerequisite: Sociology 201. Winter and Spring.

An examination of behavioral deviancy and social disorganization in the context of sociological theory.

SOCIOLOGY 353 or HISTORY 353 -Perspectives on Black Experience in the United States. (5-0-5). Offered on demand.

Study of historic and current trends in selected frames of reference of experiences encountered by black people in the United States, emphasizing social movements and social change, urban and institutional processes, social values and personality formation.

SPANISH

(See listing under Department of Foreign Languages)

SPECIAL EDUCATION (Speech Correction)

(See listing under Department of Education)

SPEECH

See listing under Department of English, Speech, and Philosophy)

ZOOLOGY

(See listing under Department of Biology)

INDEX

Academic Advisement.	
Academic Regulations.	
Academic Skills Laboratory.	
Accelerated Program, High School.	
Accounting Major Requirements.	
Administration, Officers.	
Admission to Accelerated Program.	
Admissions.	
Advanced Placement.	
Advisement.	
Allied Health Services Dept.	
Alumni Office.	
Anthropology Course.	
Application Forms.	
Application Requirements.	
Art Courses.	
Associate in Arts.	
Athletics.	
Attendance Regulations.	
Auditing.	
Bachelor of Arts Requirements.	
Bachelor of Business Administration.	
Bachelor of Science Requirements.	
Biology Courses.	
Biology Department.	
Biology Requirements.	
Botany Courses.	
Business Administration Courses.	
Business Education, Program for Teachers.	
Business Education Courses.	
Calendar, Academic.	
Chemistry Courses.	
Chemistry Degree Requirements.	
Chemistry and Physics Department.	
Clubs.	
Commerce-Secretarial Programs.	
Commission, Armstrong State College.	
Community Services, Office.	
Comparative Literature Courses.	
Conduct.	
Continuing Education Students.	
Counselling Services.	
Course Load.	
Course Offerings, Index.	

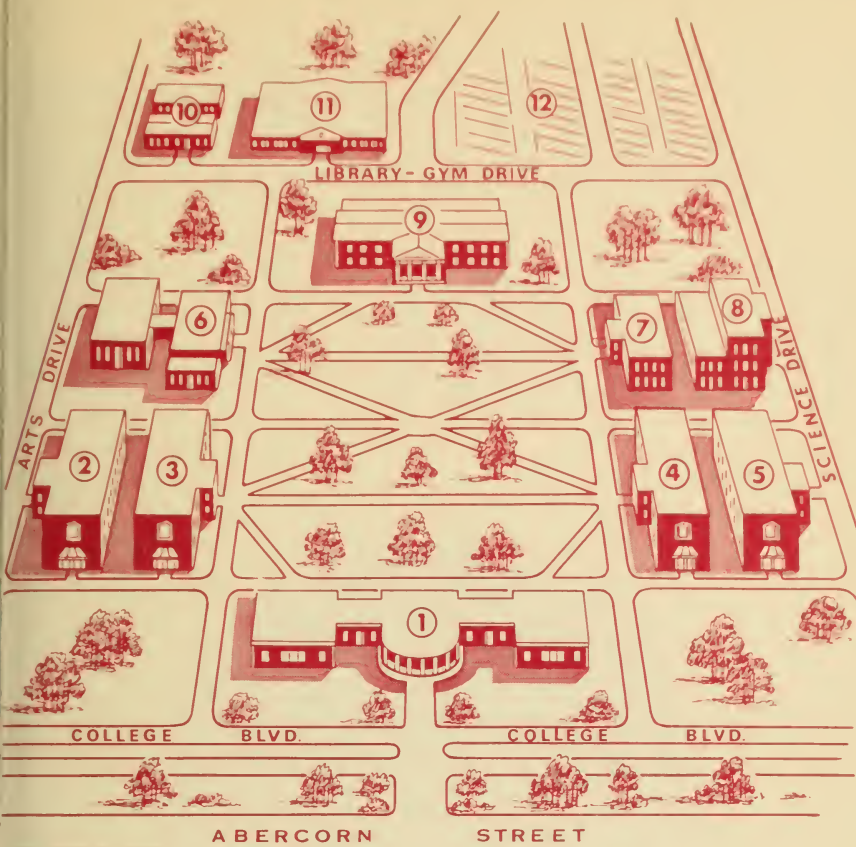
Criminal Justice, A.S. and B.S. degrees.	90,122,123
Criminal Justice Courses.	124
Criminal Justice Department.	122
Dean's List.	58
Degree Requirements, Regulations.	55
Degrees Offered.	93
Dental Hygiene, A.S. Degree.	40,90,100
Dental Hygiene Courses.	101
Dental Hygiene Education, B.S. Degree.	103
Dental Hygiene Services.	68
Dropping Courses.	60
Economics Courses.	115
Economics Major Requirements.	109
Education Courses.	125
Education Degree Requirements.	73
Education Department.	125
Engineering Courses.	153
English Courses.	131
English Degree Requirements.	130
English-Speech Department.	130
Entomology Courses.	107
Evening Classes.	25
Faculty.	12
Fees.	44
Finance-Major requirements.	109
Financial Aid.	48
Fine Arts Department.	135
Foreign Languages Department.	139
Foreign Students.	34
French Courses.	140
French Degree Requirements.	139
Geography Course.	146
German Courses.	141
Heads of Departments.	10
Health.	68
Health Course.	102
Hebrew Courses.	141
History of College.	23
History Courses.	143
History Degree Requirements.	143
History and Political Science Department.	143
Honor System.	61
Honors.	58
Housing.	68
Intramurals.	68
Journalism Course.	135

Late Registration Fee.	4
Library.	2
Library Science Courses.	12
Management Major Requirements.	10
Mathematics Major Requirements.	14
Mathematics Courses.	15
Mathematics Department.	14
Medical Technology.	8
Music Courses.	15
Music Degree Requirements.	15
Nursing, A.A. Degree.	38,8
Nursing, B.S. in Health Care Administration Degree.	9
Nursing Courses.	9
Nursing Degree Requirements.	9
Nutrition Course.	9
Organizations.	6
Orientation.	35,6
Out of State Tuition.	4
Philosophy Courses.	15
Physical Education Courses.	15
Physical Education Department.	15
Physical Education Program.	5
Physical Science Courses.	15
Physics Courses.	15
Placement, Office of.	6
Political Science Courses.	14
Political Science Degree Requirements.	14
Pre-Professional Programs.	5
Probation and Dismissal.	7
Psychology Courses.	15
Psychology Degree Requirements.	15
Psychology and Sociology Department.	15
Publications.	6
Purpose of College.	5
Quarter On-Trial.	5
Readmission of Former Students.	5
Refunds.	4
Regents.	5
Regents, Staff.	5
Registration.	5
Reports and Grades.	5
Residency Requirements.	5
Scholarships.	5
September Practicum.	5
Social Welfare Degree.	89,1

ocial Welfare Courses.	160
ociology Courses.	161
panish Courses.	142
pecial Education (Speech Correction) Courses.	128
peech Correction, Program in.	76
peech Courses.	134
aff, Administrative.	10
udent Activity Fee.	44
udent Conduct.	66
udent Exchange Program.	26
udent Government.	67
udent Services and Activities.	65
udent Teaching.	75
ystem-Wide Achievement Testing Program.	61
eacher Education.	73
wo-year Degrees.	25
ansfer Applicants, Requirements.	30
ransient Students.	32
eterans.	35
ocational Rehabilitation.	35
ithdrawal.	60
ology Courses.	107







ARMSTRONG STATE COLLEGE CAMPUS

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|--|---|
| <p>1. ADMINISTRATION BUILDING
 President
 Dean of the College
 Dean of Student Affairs
 Dean of Community Services
 Registrar
 Comptroller</p> <p>2. VICTOR HALL
 Education Dept.
 History & Political Science Dept.
 Psychology & Sociology Dept.</p> <p>3. GAMBLE HALL
 Business Dept.
 English & Speech Dept.
 Foreign Language Dept.
 Criminal Justice Dept.</p> <p>4. SCIENCE HALL
 Biology Dept.
 Math Dept.
 Physics Dept.</p> <p>5. SOLMS HALL
 Chemistry Dept.
 Dental Hygiene Dept.
 Nursing Dept.</p> | <p>6. JENKINS HALL
 Art Dept.
 Music Dept.</p> <p>7. STUDENT SERVICE
 Bookstore
 Infirmary
 Snackbar
 Mail</p> <p>8. MEMORIAL STUDENT CENTER
 Cafeteria
 Director of Student Activities
 Student Government
 Student Lounge
 Academic Skills Laboratory</p> <p>9. LANE LIBRARY</p> <p>10. MAINTENANCE BUILDING</p> <p>11. GYMNASIUM & POOL
 Athletic Director
 P.E. Dept.</p> <p>12. STUDENT PARKING AREA</p> |
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FOR REFERENCE

Do Not Take From This Room

**ARMSTRONG
STATE COLLEGE
LIBRARY**





